

(FILE 'USPAT' ENTERED AT 19:12:36 ON 03 SEP 1999)

L1 37141 S (DATABASE# OR DATA BASE#)
L2 7214 S PORTABLE COMPUTER# OR PDA#
L3 3173 S (EMAIL OR E-MAIL OR ELECTRONIC MAIL)
L4 139636 S SYNCHRONIZ?
L5 8451 S QUERY
L6 28 S L1 AND L2 AND L3 AND L4 AND L5
L7 981 S (707/203 OR 707/204 OR 707/10)/CCLS
L8 2 S L7 AND L6
L9 1 S FORMLOGIC

2. 5,928,329, Jul. 27, 1999, System for automatic **synchronization** of common file between **portable computer** and host computer via communication channel selected from a plurality of usable channels therebetween; Ted H. Clark, et al., 709/227; 707/201; 709/217, 246 [IMAGE AVAILABLE]

12. 5,857,201, Jan. 5, 1999, Enterprise connectivity to handheld devices; Gerald V. Wright, Jr., et al., 707/104, 10, 201 [IMAGE AVAILABLE]

14. 5,845,203, Dec. 1, 1998, Remote access application messaging wireless method; Christoph Karl LaDue, 455/414; 370/496, 522; 455/466 [IMAGE AVAILABLE]

15. 5,835,732, Nov. 10, 1998, Miniature digital assistant having enhanced host communication; Dan Kikinis, et al., 710/101; 345/173; 361/686; 364/708.1; 455/556; 709/253; 710/73, 128 [IMAGE AVAILABLE]

19. 5,742,905, Apr. 21, 1998, Personal communications internetworking; David Matthew Pepe, et al., 455/461; 379/210; 455/417, 445 [IMAGE AVAILABLE]

20. 5,742,668, Apr. 21, 1998, Electronic massaging network; David Matthew Pepe, et al., 455/415; 379/88.22, 93.03, 93.23; 455/413 [IMAGE AVAILABLE]

24. 5,666,530, Sep. 9, 1997, System for automatic **synchronization** of common file between **portable computer** and host computer via communication channel selected from a plurality of usable channels therebetween; Ted H. Clark, et al., 707/201; 364/231.2, 962, DIG.1, DIG.2; 709/227; 710/5; 714/20 [IMAGE AVAILABLE]

(FILE 'USPAT' ENTERED AT 20:58:31 ON 03 SEP 1999)

L1 50 S SCHEDULER (P) CALENDAR
L2 3173 S (EMAIL OR E-MAIL OR ELECTRONIC MAIL)
L3 21585 S (DATA BASE# OR DATA BASE#)
L4 4555 S (PORTABLE) (3W) (COMPUTER OR PC)
L5 2186 S PDA
L6 9 S L1 AND L2
L7 2 S L6 AND L3
L8 1 S L1 AND L2 AND L5

7. 5,664,063, Sep. 2, 1997, Automatic user notification of certain meeting attributes of a posted calendar event; William J. Johnson, et al., 358/1.1; 345/963; 364/DIG.1, DIG.2; 705/1; 707/3 [IMAGE AVAILABLE]

8. 5,317,683, May 31, 1994, Method and apparatus for automated meeting agenda generation in a data processing system; Dean J. Hager, et al., 345/330, 331; 705/9 [IMAGE AVAILABLE]

1. 5,930,471, Jul. 27, 1999, Communications system and method of operation for electronic messaging using structured response objects and virtual mailboxes; Allen E. Milewski, et al., 709/204, 207, 226 [IMAGE AVAILABLE]

1. 5,930,700, Jul. 27, 1999, System and method for automatically screening and directing incoming calls; David J. Pepper, et al., 455/414; 379/211 [IMAGE AVAILABLE]

application. Furthermore, **XcelleNet** has broadened **RemoteWare** 's networking facilities, adding TCP/IP and NetWare SPX support to the present variety's NetBIOS backing. ...

9/3,K/52 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/INFORM(R)
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01357671 00-08658

Xcellenet readies RemoteWare

Darrow, Barbara

Computer Reseller News n716 PP: 16 Dec 23-30, 1996

ISSN: 0893-8377 JRNL CODE: CRN

WORD COUNT: 246

ABSTRACT: **Xcellenet** hopes to boost its utilities business with **RemoteWare** Essentials. The product, comprised of agent software that sits on Lotus Notes **server** and **client** software, claims to cut connect times for remote Notes users by up to 80%.

...TEXT: engines and dial-up access, hopes to boost its utilities business with RemoteWare Essentials.

The product, comprised of agent software that sits on the Notes **server** and **client** software, claims to cut connect times for remote Notes users by up to 80 percent.

Due to ship in January, RemoteWare Essentials detects changes in...

...DESCRIPTORS: **Client server** computing

9/3,K/53 (Item 2 from file: 15)
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01329253 99-78649

Oracle, XcelleNet enhance remote links

Schwartz, Jeffrey

CommunicationsWeek n632 PP: 83 Oct 7, 1996

ISSN: 0746-8121 JRNL CODE: CWE

ABSTRACT: Oracle and **XcelleNet** Inc. will unveil product updates this week that support off-line messaging and Web browsing. Oracle's Mobile Agents 2.0 and **XcelleNet** Inc.'s **RemoteWare** 3.1 are both designed to optimize low bandwidth remote sessions using dial-up or wireless connections. Both are based on a **client / server** -agent model, where the agents, or gateways, perform transactions off-line on behalf of a user. **RemoteWare** 3.1 includes ActiveX controls, meaning a user can launch a communications session with a browser; and Subscriber Control, which lets users subscribe to documents...

9/3,K/54 (Item 3 from file: 15)
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01328796 99-78192

The intranet goes mobile

Emmerson, Bob

Communications International v23n10 PP: 39-40 Oct 1996

ISSN: 0305-2109 JRNL CODE: COI

WORD COUNT: 1212

ABSTRACT: **XcelleNet** 's **RemoteWare** combines platform-independent **client** -agent **server** technology with communications and applications tools. The architecture looks like a wireless extension to the resources that reside on the corporate network, but instead of working in real time, with

LAN-attached **servers** , remote **clients** address intelligent agents that do the leg-work afterwards, while the user is off line. An embedded off-line reader lets mobile and remote workers...

...mail messages, database queries, software updates and even dial-in Lotus Notes replication sessions. All new information is downloaded each time the client logs on. **XcelleNet** has pre-installed ActiveX Controls over its **RemoteWare** client software. Thus, only the data has to be downloaded, and this automatically executes on the client using the relevant application. The immediate benefit is that software developers can seamlessly integrate **RemoteWare** Components into client-side applications.

...TEXT: order to find the same information on a competitive product. And GSM doesn't come cheap.

XcelleNet has a product called RemoteWare that combines platformindependent client-agent server technology with communications and applications tools. (See 'Working From Anywhere', CI February 1996). The architecture looks like a wireless extension to the resources that reside on the corporate network, but instead of working in real time, with LAN-attached servers, remote clients address intelligent agents that do the leg-work afterwards, while the user is off line.

So why not use an intelligent agent to communicate with the proxy server? And why not make web site downloads part of the regular client-server session - get e-mail and all the other deferredconnection tasks at the same time.

XcelleNet has been there and done exactly that. An embedded off...screens, a set of intelligent routing rules can be developed. Expenses can be entered off-line and sent to the enterprise as part of the **client -server** session. The form can then be routed around the approval loop until it ends up in accounts and a payment is made. No paper is...

9/3,K/55 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/INFORM(R)
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01321578 99-70974
Tools cut remote access costs
Blodgett, Mindy; Hibbard, Justin
Computerworld v30n45 PP: 20 Nov 4, 1996
ISSN: 0010-4841 JRNL CODE: COW
WORD COUNT: 422

...TEXT: s LAN. Transferring large files to and from headquarters would ordinarily take more than an hour and require many connections.

Barth and his team installed **XcelleNet** , Inc.'s **RemoteWare** and its **RemoteWare** Replication Agent product. Together they let remote users conduct transactions with the main office in one connection. While the **client** and **server** are disconnected, agents on both sides scan documents, databases and applications for changes made since the last connection. The changes are replicated, compressed, queued for...

... to shorten connection times for mobile users Electronic-mail clients such as Eudora from Qualcomm Off-line Web browsers such as WebEx from Traveling Software **Client /server** applications such as **RemoteWare** from **XcelleNet** and products from Technology Solutions Development

9/3,K/56 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/INFORM(R)
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01205618 98-55013
RemoteWare notes changes
Terdoslavich, William

Computer Reseller News n681 PP: 79 Apr 29, 1996
ISSN: 0893-8377 JRNL CODE: CRN
WORD COUNT: 316

ABSTRACT: **XcelleNet** Inc. has introduced a Lotus Notes agent for its **RemoteWare** product line. The company has designed an agent that is capable of residing at the **client** and the **server** end of the connection using standard Notes APIs to manage a queue of changes for the Notes database.

...TEXT: to conduct business via remote access with Notes at the other end, Zack said.

"We designed an agent that is capable of residing at the **client** and the **server** end of the connection using standard Notes APIs to manage a queue of changes for the Notes database," Zack said.

Under the old system, a Notes user had to stay online while **client** and **server** resolved all conflicts and made changes. With the Notes agent added to RemoteWare, "you do as much off-line as you can," Zack said. Upon ...

9/3,K/57 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/INFORM(R)
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01198791 98-48186

Key trends in GSM

Emmerson, Bob; Greetham, David

Telecommunications (International Edition) v30n2 PP: 47-54 Feb 1996

ISSN: 0040-2494 JRNL CODE: TIE

WORD COUNT: 2881

...TEXT: and picocellular architectures come on stream.

Consumers want ubiquitous access and more flexible services; mobile professionals want reliable wireless data and useful applications. The wireline **client -server** architecture will be replicated and refined to match the needs of the new, decentralised enterprise with its accent on telecommuting. Company IT departments will need...

...a few e-mail messages. And the intrinsic data rate of 9.6 kbps makes GSM a bottleneck for serious data communications, such as notebook **client** to corporate **server** for file transfer. The business market is therefore looking for better solutions such as mobile-ISDN plus services and applications employing data compression.

DUAL-BAND... are reevaluating their access options--they are looking for a single ISP who can meet all their needs on a nation-wide or global scale.

CLIENT SERVER ARCHITECTURE

It is clear that mobile computing currently represents an under-utilised corporate resource and that it should become an integral part of the whole IT infrastructure, which means both replicating and refining the **client -server** model. This will also entail more use of sophisticated mobile computing applications such as AT&T's Network Notes. Mobile professionals who use a groupware...

... RemoteWare computing suite developed by XcelleNet. RemoteWare was introduced in 1992 and is still the only mobile and remote computing solution to combine platform independent **client -agent-server** technology with communications and applications tools.

The proposed architecture indicates that an agent-based extension of the classical **client -server** model is required in order to meet the needs of a new type of 'remote enterprise'--one that not only meets the needs of an ...

... memory is determined by the network operator and the value-added

services that are available. This means that turbo-charged SIM cards can function as **clients** in a **client -server** architecture. The basic idea is that these cards communicate with a central server using SMS as the communication medium. The server enables access to external...

9/3,K/58 (Item 7 from file: 15)
DIALOG(R)File 15:ABI/INFORM(R)
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01178231 98-27626

Working from anywhere

Emmerson, Bob

Communications International v23n2 PP: 62-67 Feb 1996

ISSN: 0305-2109 JRNL CODE: COI

WORD COUNT: 1663

...TEXT: to provide easy high-speed access. Indeed, many organisations just don't have the resources to manage such change. Having concentrated on the shift to **client -server** architecture, they have implemented plans which were put together well before the current trend towards a more mobile workforce became apparent.

Thus, while better wireline...

... technological strands will probably meet around 1997-98. By that time the more innovative organisations will have replicated and refined a wireless version of the **client -server** model; capacity will have caught up with demand; and there should be a range of competitive services, leading directly to higher data rates and lower...agreement with Microsoft to develop an architecture combining Microsoft's BackOffice with XcelleNet's RemoteWare product, a mobile remote computing solution that combines platform-independent **client -agent-server** technology with comms and applications tools.

The architecture looks like a wireless extension to the systems and resources that reside on the corporate LAN. However...

... and several other powerful technologies are used to automate, simplify, and otherwise enhance communication between the central systems and mobile workers.

For example, the communications **server** software acts as an agent for its **clients**. SQL queries can be set-up off line and sent with e-mail and other data types. Since the agent, rather than a remote client...

... the work is carried out at LAN speeds instead of the 9.6 kbit/s air interface rate. (This also ensures optimal availability of the **server** 's resources to other users.)

When the **client** is disconnected, the **server** processes and queues information from the enterprise for synchronisation with the client. And prior to a communications session, it retrieves information from databases, queues e...

9/3,K/59 (Item 8 from file: 15)
DIALOG(R)File 15:ABI/INFORM(R)
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01173351 98-22746

Pizzeria eats up client/ server pie

DiDio, Laura

Computerworld v30n10 PP: 69-70 Mar 4, 1996

ISSN: 0010-4841 JRNL CODE: COW

WORD COUNT: 502

Pizzeria eats up client/ server pie

ABSTRACT: A new **client /server** network has improved California Pizza Kitchen's profit margins by as much as 5% in some stores and has allowed the company to cut costs...

TEXT: California Pizza Kitchen is relying on more than just new toppings and secret recipes to improve its profit margins. A new **client /server** network has improved the restaurant chain's profit margins by as much as 5% in some stores and has allowed California Pizza Kitchen to slice...

... more time in the restaurant assisting customers," Smith said. To accomplish all this, California Pizza Kitchen recently installed Microsoft Corp.'s Windows NT Server and **RemoteWare**, a software connectivity package from **XcelleNet**, Inc. in Atlanta. This setup has been installed at corporate headquarters in Los Angeles and at restaurants nationwide.

The company wanted a network environment that...

...DESCRIPTORS: **Client server** computing

9/3,K/60 (Item 9 from file: 15)
DIALOG(R)File 15:ABI/INFORM(R)
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01098741 97-48135
Shiva software bundles boost LAN connectivity
DeVoe, Deborah
InfoWorld v17n40 PP: 46 Oct 2, 1995
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 234

ABSTRACT: In September 1995, Shiva Corp. announced separate agreements with remote connectivity vendors Traveling Software Inc. and **XcelleNet** Inc. TSI will license and resell Shiva's remote-node ShivaPPP client. **XcelleNet** will use ShivaPPP to offer LAN access to users of its **RemoteWare** system, a suite of **client /server** software tools for creating applications that let users download information and work off-line.

...TEXT: later integrate ShivaPPP technology into LapLink.

Atlanta-based **XcelleNet** will use ShivaPPP to offer LAN access to users of its **RemoteWare** system, a suite of **client /server** software tools for creating applications that let users download information and work off-line.

By the first half of 1996, **XcelleNet** will provide closer integration...

9/3,K/61 (Item 10 from file: 15)
DIALOG(R)File 15:ABI/INFORM(R)
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01058253 97-07647
Three tools that close the distance
Anonymous
Datamation v41n14 PP: 44 Aug 1, 1995
ISSN: 0011-6963 JRNL CODE: DAT

ABSTRACT: Three relatively mature general-purpose tools to make **client /server** apps work from the field are **XcelleNet**'s **RemoteWare**, Oracle Corp.'s Oracle Mobile Agents 1.1, and Sybase's Enterprise Messaging Services (EMS). All are essentially middleware, acting as a messaging service and gateway between the **client** and **server** app portions.

RemoteWare is based on a 5-part platform that includes: 1. communication sessions, 2. staging, 3. session work, 4. session scheduling, and 5. agent processes. Oracle...

DESCRIPTORS: **Client server** computing...

9/3,K/62 (Item 11 from file: 15)
DIALOG(R)File 15:ABI/INFORM(R)
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01012402 96-61795

Beverage Distributors Corp. makes being remote in Colorado work
Anonymous
Sales & Marketing Management v147n4 PP: S-31 Apr 1995
ISSN: 0163-7517 JRNL CODE: SAL
WORD COUNT: 384

...TEXT: information about their accounts and shipments.

Now BDC's sales people are equipped with notebook computers equipped with built-in modems. The communications system is **XcelleNet**'s **RemoteWare**, a suite of **client / server** software tools that simplifies the task of synchronizing information flow in the inherently unreliable dial-up communications environment of the remote enterprise.

Dialing into headquarters...

9/3,K/63 (Item 12 from file: 15)
DIALOG(R)File 15:ABI/INFORM(R)
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00950846 96-00239

Automating sales force key
Hwang, Diana
Computer Reseller News n609 PP: 61 Dec 12, 1994
ISSN: 0893-8377 JRNL CODE: CRN
WORD COUNT: 354

...TEXT: integration services group in October. List price for the product is \$1,595. It ships in the first quarter next year.

Also at the show, **XcelleNet** Inc., Atlanta, unveiled **RemoteWare** 2.0, enhancing its **client / server** agent-server software with support for wireless communications, full 32-bit processing, and support for remote and mobile queries into ODBC-compliant databases, as well as back...

9/3,K/64 (Item 13 from file: 15)
DIALOG(R)File 15:ABI/INFORM(R)
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00901973 95-51365

Connecting Road warriors
Jensen, Eric H
Network World v11n33 PP: SS52-SS53 Aug 15, 1994
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 1973

...TEXT: has a product called **RemoteWare** that is a system optimized for batch end-to-end transaction processing.

According to Mindy Aronin, marketing services manager at **Xcellenet**, **RemoteWare** is a suite of **client / server** development tools for automating business processes. These processes include order entry, inventory query and field activity reporting that involves hundreds or thousands of remote or...

9/3,K/65 (Item 14 from file: 15)
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00864738 95-14130

Client/ server **combo** helps firm get grip on growth

Karon, Paul

InfoWorld v16n21 PP: 91 May 23, 1994

ISSN: 0199-6649 JRNL CODE: IFW

WORD COUNT: 1112

Client/ server **combo** helps firm get grip on growth

...ABSTRACT: and fast response time in a still-growing, medium-sized firm involved a combination of remote communications tools, expert systems, and SQL databases in a **client -server** system. One of the centerpieces of SCG's IS strategy is a long-distance communications solution. For this, the firm chose **RemoteWare** communications services from **XcelleNet** Inc. The **Xcellenet** service enables SCG consultants in various offices to easily transfer numerous reports, time sheets, risk memos, electronic mail, and other data and documents comprising their...

...TEXT: a small company?

For Systems Consulting Group Inc., meeting that challenge involved a combination of remote communications tools, expert systems, and SQL databases in a **client server** system.

In 1988, consultants Tom Richardson, William Dudziak, Jeff Manchester, and Gus Vidaurreta left Andersen Consulting with a lot of experience under their belts and...

...DESCRIPTORS: **Client server** computing

9/3,K/66 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2000 The Gale Group. All rts. reserv.

09650134 SUPPLIER NUMBER: 18848450 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Tools cut remote access costs. (network managers turning to offline Web browsers, E-mail clients, client/ server applications such as RemoteWare) (Technology Information)

Hibbard, Justin; Blodgett, Mindy

Computerworld, v30, n45, p20(1)

Nov 4, 1996

ISSN: 0010-4841 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 408 LINE COUNT: 00036

Tools cut remote access costs. (network managers turning to offline Web browsers, E-mail clients, client/ server applications such as RemoteWare) (Technology Information)

...ABSTRACT: in companies with many mobile workers are turning to such tools as E-mail clients that allow offline mail reading, offline Web browsers and advanced **client /server** applications in an effort to cut remote-access costs. Limiting connection times of remote online users is a major challenge, but several tools have emerged...

...data offline through intelligent agents, queue it for transmission and exchange it with remote users in brief communication sessions through a process called data synchronization. **XcelleNet** Inc's **RemoteWare** and **RemoteWare** Replication Agent products are popular for allowing offline access to Lotus Notes databases.

... Inc.'s RemoteWare and its RemoteWare Replication Agent product. Together they let remote users conduct transactions with the main office in one connection. While the **client** and **server** are disconnected, agents on both sides scan documents, databases and applications for changes made since the last connection. The changes are replicated, compressed, queued for...

9/3,K/67 (Item 2 from file: 148)

^ DIALOG(R)File 148:Gale Group Trade & Industry DB
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- 09028463 SUPPLIER NUMBER: 18712725 (USE FORMAT 7 OR 9 FOR FULL TEXT)
No more Guess? work. (clothing company's client/ server system)(includes related article on Guess? automated inventory system) (Company Operations)
Wilde, Candee
InformationWeek, n598, p61(3)
Sep 23, 1996
ISSN: 8750-6874 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1630 LINE COUNT: 00131

No more Guess? work. (clothing company's client/ server system)(includes related article on Guess? automated inventory system) (Company Operations)

ABSTRACT: Guess? installs a new **client -server** system that will allow its employees, suppliers, manufacturers and outlets share information swiftly and efficiently. Officials at the clothing company anticipate reductions in wasted efforts...

TEXT:

Guess? Inc. hopes a new **client -server** system will help recoup millions of dollars the company wastes each year making samples of clothing that never get sold. The system will let Guess...

... as each department's participation."

TECHNOLOGY SNAPSHOT -- GUESS? INC.

Headquarters: Los Angeles

Employees: 2,600

1995 revenue: \$486.7 million

Technology goals: To build a **client -server** system that lets the design, production, sales, and manufacturing departments share vital information faster and more efficiently; to implement an automated inventory system for 100 retail stores

System hardware and software: **Client -server** system uses Microsoft SQL **Server** as a back-end database, Visual Basic 4.0 as the front-end tool, HP 3000 midrange processor; inventory system uses a Microsoft Windows NT In-Store Processor with Sybase SQL Anywhere database in each store;
Xcellenet RemoteWare server

User tools: **Client -server** system uses Compaq PCs running Windows 3.1; inventory system uses Symbol Technologies handheld RF scanners

Networks: **Client -server** system uses Ethernet LANs, TCP/IP WAN; inventory system uses dial-up modems and the public network

9/3,K/68 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08891818 SUPPLIER NUMBER: 18527147
Sales sleuths find solutions. (Pfizer's Sherlock sales-automation system)(includes related article on Dendrite International's implementation work) (Company Operations)
Gambon, Jill
InformationWeek, n589, p51(2)
July 22, 1996
ISSN: 8750-6874 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1386 LINE COUNT: 00117

... this year, will add a communications architecture to improve the flow of information between headquarters and roving sales reps.

The communications component is based on **RemoteWare** from **XcelleNet** Inc. in Atlanta. **RemoteWare** uses a **client -agent-server** architecture.

Agents, which reside on the host system at headquarters and on each remote client, process users' requests while they are offline. When users initiate...

9/3,K/69 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2000 The Gale Group. All rts. reserv.

08675709 SUPPLIER NUMBER: 18299075 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**XCELLENET AND SHIVA ANNOUNCE SEMINARS ON REMOTE ACCESS SOLUTIONS FOR
ENTERPRISE-SCALE REMOTE COMPUTING**
PR Newswire, p520ATM003
May 20, 1996
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 660 LINE COUNT: 00062

... in Atlanta, New York, San Jose, Los Angeles, and Chicago throughout the month of June.

"These seminars provide insight into how leading companies are using **XcelleNet's RemoteWare** and Shiva's **LanRover** to develop remote and mobile infrastructures to enable hundreds and thousands of users to work more effectively both on-line and off-line," said Dennis M. Crumpler, Chairman and CEO of **XcelleNet**, Inc. "Organizations that are planning large-scale remote access deployments can leverage the combination of the products into remote computing solutions that are fully optimized from **client** to **server**."

"Together, RemoteWare and LanRover offer customers with large field organizations a one-button solution for optimized, secure, and manageable access to network resources, connection-deferred...

...E-mail

-- Enable hundreds or thousands of remote users to communicate with the corporate office using analog, ISDN and wireless technologies

-- Support both on-line **client /server** applications and off-line processing for mobile users who cannot afford to be tied to on-line applications

-- Provide seamless electronic software distribution, communications management...

9/3,K/70 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08111300 SUPPLIER NUMBER: 17269725 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Client/ server hits the road. (extending applications to remote users)
(includes related article on XcelleNet's RemoteWare 2.0, Oracle's
Oracle Mobile Agents, Sybase's Enterprise Messaging Services)**
Garry, Greg
Datamation, v41, n14, p43(3)
August 1, 1995
ISSN: 1062-8363 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1691 LINE COUNT: 00140

**Client/ server hits the road. (extending applications to remote users)
(includes related article on XcelleNet's RemoteWare 2.0, Oracle's
Oracle Mobile Agents, Sybase's Enterprise Messaging Services)**

ABSTRACT: The increasing use of the **client /server** architecture, combined with the popularity of mobile computing, demands interactive **client /server** applications which function with minimal connect time. Asynchronous communications, in which messaging and the **client /server** connection is handled by middleware, frees the **server** to process **client** requests offline so that neither are blocked. Such middleware queues **client** requests, establishes a link, confirms **server** receipt and then reverses the process. Developing with Covia Technologies' Communications Integrator or IBM's Message Queue Interface enables asynchronous communication, as does middleware such as **RemoteWare** from **XcelleNet**, Oracle Mobile Agents or Sybase's Enterprise Messaging Services.

TEXT:

These days, **client /server** applications are falling prey to a major

case of wanderlust. Clients are no longer just LAN-linked, as laptops extend the application's reach to...

... file transfer. Remote-node and remote-access technology solves the basic connectivity issue. But neither replication nor remote connectivity solves the fundamental problem of interactive **client /server** applications at a distance; They're inherently connect-time intensive. Unless applications are architected to reduce connect times, remote users will waste a lot of...

...to preventing wired apps from becoming mired apps is an asynchronous style of communications in which middleware products that handle messaging and connection between the **client** and **server** parts of an application allow the **server** to process requests while the **client** is disconnected. With such tools, a user can, for example, dump a lengthy query up to the server and dial in later for the answer. Otherwise, the remote user has to be constantly connected for many minutes, even hours, and both the **server** and **client** are blocked from performing other tasks.

"Nonblocking technology is really important," says Jonathan Rende, mobile-computing manager for RDBMS vendor Informix. For that reason, the...

...destination," says Judy Davis, an independent consultant with the Patricia Seybold Group in Boston.

In general, you need middleware that queues up requests from the **client**, establishes a link, confirms that the **server** has received the requests, then performs the corresponding process from the **server** to the **client**. You can achieve that goal by developing with general-purpose messaging architectures like Covia Technologies' Communications Integrator or IBM's Message Queue Interface. Or you can use canned middleware designed specifically for remote **client /server** computing (see sidebar, "Three Tools That Close the Distance").

TOO WELLCONNECTED

The need for asynchronicity and confirmed communications has led some IS managers to look...

...are going to save upwards of a \$1.5 million a year in operating costs," he says.

According to many experts, the future of remote **client /server** software is agent technology. Remote users will send off a software agent to servers, familiar or otherwise, to do their bidding off line. Tomorrow's ...

...the current generation of tools.

Three Tools That Close the Distance

IS managers have limited choices when it comes to general-purpose tools to make **client /server** apps work from the field. Three stand out as relatively mature tools that employ the kind of asynchronous scheme that can reduce connect times. All are essentially middleware, acting as a messaging service and gateway between the **client** and **server** app portions.

REMOTEWARE

This suite of **client /server** development tools from XcelleNet of Atlanta has been on the market for several years now and is used to develop order entry, electronic software distribution...

...on a five-part platform that includes communication sessions, staging, session work, session scheduling, and agent processes.

A communication session can be initiated by the **server** or the **client**, with each **server** being able to handle a maximum of 32 simultaneous sessions with remote PCs.

In the staging process, work to be undertaken in future sessions is queued up on either the **clients** or the central **server**. For example, when a remote user enters an order by way of an electronic form, the information is staged to be transmitted during the next communications session between the remote **client** and the central **server**.

During the sessionscheduling process, session work is queued and initiated at the central RemoteWare Server. For example, if the server needs to pull in information...

...C++.

A message manager - which resides on the client computer and manages all of the application's communications - interfaces with message gateway software on the **server**. The gateway software administers remote **client** requests and provides all of the network services for responses that go back to the clients.

Phone line modems are supported through the asynchronous Point...

DESCRIPTORS: **Client /server** architecture...

9/3,K/71 (Item 6 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2000 The Gale Group. All rts. reserv.

08011370 SUPPLIER NUMBER: 17127120 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Duo tries to ease remote access. (Sterling Software Inc and XcelleNet Inc introduce Direct:Connect for RemoteWare) (Product Announcement)

Schwartz, Jeffrey

CommunicationsWeek, n560, p1(2)

June 5, 1995

DOCUMENT TYPE: Product Announcement ISSN: 0746-8121 LANGUAGE:

English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 928 LINE COUNT: 00080

... that tend to get neglected because we don't have the infrastructure to support them," said Dean Thompson, network administrator for BP America Inc., Cleveland.

XcelleNet's RemoteWare provides asynchronous access to LANs using compression to reduce the amount of time of each session. Also, **RemoteWare**, an IBM OS/2-based middleware **server** that functions as a **client** on a LAN, uses agent-based technology to combine multiple transactions and applications into one session using common application programming interfaces and protocols.

Sterling's...

9/3,K/72 (Item 7 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2000 The Gale Group. All rts. reserv.

07812867 SUPPLIER NUMBER: 16817638 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Picture windows. (Microsoft Corp.'s Windows 95 computer software operating system) (Computer Network)

Ryan, Ken

HFN The Weekly Newspaper for the Home Furnishing Network, v69, n16, p81(2)

April 17, 1995

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 997 LINE COUNT: 00080

... hard drives and CD-ROMs; to a more expansive array of services including modems, pagers and electronic mail.

The fourth tier includes "one button" interface, **RemoteWare** from **XcelleNet** **client /server** tools and automation software, among other features.

In the fifth tier, the program provides a 24-hour service hotline, consultants and other services to assist...

9/3,K/73 (Item 8 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2000 The Gale Group. All rts. reserv.

07811812 SUPPLIER NUMBER: 16859236 (USE FORMAT 7 OR 9 FOR FULL TEXT)
XCELLENET REPORTS RECORD FIRST QUARTER REVENUES; NET INCOME GROWS 33%

PR Newswire, p425AT020

April 25, 1995

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 436 LINE COUNT: 00053

... 68% increase in staffing levels versus the same quarter a year ago, is the key to maintaining our architectural and functional advantages in the marketplace."

XcelleNet, Inc. develops and markets **RemoteWare**, a suite of **client /server** system development tools used by customers to build systems that connect remote and mobile users to corporate information. **RemoteWare** enables organizations to attain a competitive advantage by simplifying and automating time-sensitive information delivery processes such as order entry, inventory query or price list and product catalog updates. Over 800 organizations worldwide have licensed **RemoteWare** to manage the exchange of information between central systems and over 250,000 remote or mobile field personnel, customers, suppliers, channels-of-distribution or other...

9/3,K/74 (Item 9 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07798157 SUPPLIER NUMBER: 16793210 (USE FORMAT 7 OR 9 FOR FULL TEXT)
MCI SELECTS XCELLENET'S REMOTEWARE(R) AS BASIS FOR MOBILE COMPUTING INITIATIVE; Mobile applications based on RemoteWare will be deployed to 5,000 sales, service and technical support employees.
Business Wire, p4101189
April 10, 1995
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 684 LINE COUNT: 00062

RemoteWare is a suite of **client /server** communications and applications tools used to automate information exchange with remote or mobile users. Examples of information exchange applications include order entry, inventory query, price...

...MCI; and SalesTrak, field force automation software from Aurum Software, Inc.

About XcelleNet

XcelleNet, Inc. (Nasdaq-NM:XNET) develops and markets RemoteWare, a suite of **client /server** system development tools used to build software applications for mobile and remote users. **RemoteWare** enables organizations to attain a competitive advantage by simplifying and automating time-sensitive information delivery processes such as order entry, inventory query or price list...

9/3,K/75 (Item 10 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07749467 SUPPLIER NUMBER: 16673527 (USE FORMAT 7 OR 9 FOR FULL TEXT)
XCELLENET AND AURUM SOFTWARE FORGE INTEGRATION ALLIANCE; PARTNERSHIP PROVIDES A MORE ROBUST DATA COMMUNICATIONS TRANSPORT FOR AURUM'S MOBILE SALESFORCE CUSTOMERS.
Business Wire, p03171104
March 17, 1995
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 708 LINE COUNT: 00067

XcelleNet 's Remote Ware (R) is a suite of **client /server** communications and applications software tools used to automate time-sensitive delivery processes--such as order entry, inventory query or price list and catalog updates--for...

...to use, mobile applications to a broad range of industries."

About XcelleNet, Inc.

XcelleNet, Inc. (Nasdaq-NM:XNET) develops and markets RemoteWare, a suite of **client /server** system development tools used to automate time-sensitive information delivery processes such as order entry,

· inventory query or price list and product catalog updates. Over 700
· organizations worldwide have licensed **RemoteWare** to manage the exchange
· of information between central systems and over 213,000 remote or mobile
· field personnel, customers, suppliers, channels-of-distribution or other...

...applications: Aurum SalesTrak (field sales automation); Aurum TeleTrak (telemarketing and telesales); Aurum SupportTrak (customer support and service); and Aurum QualityTrak (quality management). Based on a **client / server** architecture, Aurum's CRP applications run with Oracle and Sybase RDBMSs and are designed to be modified easily through Aurum's Adaptable Applications Architecture. Installed...

9/3,K/76 (Item 11 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07747907 SUPPLIER NUMBER: 16659217 (USE FORMAT 7 OR 9 FOR FULL TEXT)
McCaw's Wireless Data Division Forms Strategic Alliance With XcelleNet To Bring New Applications to Mobile Workers
Mobile Workers Using XcelleNet RemoteWare, and McCaw's AirData Will Be Able To Remotely Query Databases, Check Inventories, Update Entries and Execute Orders in a Single Session.
Business Wire, p03140073
March 14, 1995
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 846 LINE COUNT: 00073

TEXT:

...Wireless Data Division of McCaw Cellular Communications Inc. today announced it has formed a strategic alliance with XcelleNet Inc., a leading developer of agent-based **client -server** software used to implement systems that support mobile-computing activities for a variety of organizations.

... allows end-user organizations, value-added resellers and systems integrators to create custom graphical forms for mobile workers to access central-site applications and data.

"**XcelleNet** and McCaw have listened to what mobile users want and need," explained Gerry Purdy, editor in chief of Mobile Letter. "**XcelleNet RemoteWare** delivers the power of **client -server** computing and, when coupled with the AirData network, results in a solution that will be highly effective in meeting the needs of a mobile workforce..."

...another example of McCaw demonstrating leadership to enable enterprises in developing CDPD-enabled applications."

XcelleNet Inc. (NASDAQ "XNET") develops and markets RemoteWare, a suite of **client -server** system development tools used to automate time-sensitive information delivery processes such as order entry, inventory query or price list and product catalog updates. More than 690 organizations worldwide have licensed **RemoteWare** to manage the exchange of information between central systems, over 213,000 remote or mobile field personnel, customers, suppliers, channels of distribution or other corporate...

9/3,K/77 (Item 12 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2000 The Gale Group. All rts. reserv.

07747159 SUPPLIER NUMBER: 16651623 (USE FORMAT 7 OR 9 FOR FULL TEXT)
XCELLENET ANNOUNCES SUPPORT FOR CELLULAR DIGITAL PACKET DATA (CDPD); CDPD SUPPORT WILL EXPAND MOBILE COMMUNICATIONS OPTIONS FOR USERS OF XCELLENET'S REMOTEWARE SUITE OF APPLICATIONS.
Business Wire, p03141093
March 14, 1995
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 513 LINE COUNT: 00047

RemoteWare is **XcelleNet** 's suite of development tools used to

- cost-effectively automate the movement of time-sensitive information among
- an organization's central information systems, field personnel,
- telecommuting workers, business partners, customers and suppliers.
- **RemoteWare** extends the traditional **client /server** model to workers -- such as mobile field forces -- who are usually disconnected from enterprise computing resources.

XcelleNet forges its first CDPD alliance with the Wireless...

...hotel room, and over TCP/IP when at a headquarters or regional location.

XcelleNet, Inc. (Nasdaq-NM:XNET) develops and markets RemoteWare, a suite of **client /server** system development tools used to automate time-sensitive information delivery processes such as order entry, inventory query or price list and product catalog updates. Over 700 organizations worldwide have licensed **RemoteWare** to manage the exchange of information between central systems and over 213,000 remote or mobile field personnel, customers, suppliers, channels-of-distribution or other...

9/3,K/78 (Item 13 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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07744067 SUPPLIER NUMBER: 16622867 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**AT&T SELECTS XCELLENET'S REMOTEWARE AS PART OF VIRTUAL WORKPLACE OFFERING;
REMOTEWARE SOFTWARE WILL BE KEY PART OF CREATING "VIRTUAL OFFICE"
ENVIRONMENTS FOR MOBILE USERS.**

Business Wire, p03061209

March 6, 1995

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 528 LINE COUNT: 00049

... servers

- Tier 2: Communications platforms, such as modems and multiplexers
- Tier 3: Communications services, such as network access, messaging services, and cellular services
- Tier 4: **Client /Server** software solutions, which are the applications that enable mobile users to work "anytime, anywhere"
- Tier 5: Consulting services and support provided through AT&T Virtual Workplace Approved Resellers to customize solutions to specific needs.

RemoteWare will deliver solutions within Tier 4 of this framework.

RemoteWare extends the traditional **client /server** model to workers -- such as mobile field forces -- who are usually disconnected from enterprise computing resources. It is a suite of development tools used to...

...flexible, location-independent and communications-rich solution to our customers through approved partners."

XcelleNet, Inc. (Nasdaq-NM:XNET) develops and markets RemoteWare, a suite of **client /server** system development tools used to automate time-sensitive information delivery processes such as order entry, inventory query or price list and product catalog updates. Over 690 organizations worldwide have licensed **RemoteWare** to manage the exchange of information between central systems and over 213,000 remote or mobile field personnel, customers, suppliers, channels-of-distribution or other...

9/3,K/79 (Item 14 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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07743544 SUPPLIER NUMBER: 16613011 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**AT&T GLOBAL INFORMATION SOLUTIONS UNVEILS VIRTUAL WORKPLACE(TM) PROGRAM;
Innovative, Comprehensive Support Services and Certified Partnerships
Combine To Create a Complete Mobile Computing Solution.**

Business Wire, p03061054

March 6, 1995

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1665 LINE COUNT: 00143

... making workers more efficient.
o Wireless access (via national and regional cellular service providers) gives the sales and field force immediate access to corporate networks.

Client /Server Software Applications

Within Tier Four of the Virtual Workplace, AT&T's approved software solutions partners provide mobile **client /server** automation applications that help mobile customers better access and exchange information with headquarters and customers. These include:

o MobileSync(TM) from Adaptive Strategies, an environment...

...to access and exchange information with corporate headquarters and customers through an easy "one button" interface.

o RemoteWare(R) from XcelleNet(R), a suite of **client /server** system development tools used to automate time-sensitive information delivery processes such as order entry, inventory query, and price list and product catalog updates.

o...

9/3,K/80 (Item 15 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07709459 SUPPLIER NUMBER: 16594631 (USE FORMAT 7 OR 9 FOR FULL TEXT)
XCELLENET ANNOUNCES MANAGEMENT CHANGES
PR Newswire, p0228AT015
Feb 28, 1995
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 318 LINE COUNT: 00027

... Company is fortunately in a position to support him in doing it. We look forward to his return to the management team in January 1996."

XcelleNet , Inc. develops and markets **RemoteWare** , a suite of **client /server** system development tools used to automate time-sensitive information delivery processes such as order entry, inventory query or price list and product catalog updates. Over 690 organizations worldwide have licensed **RemoteWare** to manage the exchange of information between central systems and over 213,000 remote or mobile field personnel, customers, suppliers, channels-of-distribution or other...

9/3,K/81 (Item 16 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07662947 SUPPLIER NUMBER: 16382425 (USE FORMAT 7 OR 9 FOR FULL TEXT)
XCELLENET REPORTS RECORD FOURTH QUARTER AND FISCAL YEAR REVENUES AND EARNINGS
PR Newswire, p0131AT011
Jan 31, 1995
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 492 LINE COUNT: 00055

... million (up 57% over the prior year), of which \$786,000 were capitalized for version 2.0. No software development costs were capitalized in 1993.

XcelleNet , Inc. develops and markets **RemoteWare** , a suite of **client /server** system development tools used to automate time-sensitive information delivery processes such as order entry, inventory query or price list and product catalog updates. Over 690 organizations worldwide have licensed **RemoteWare** to manage the exchange of information between central systems and over 213,000 remote or mobile field personnel, customers, suppliers, channels-of-distribution or other...

9/3,K/82 (Item 17 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07650322 SUPPLIER NUMBER: 16017635 (USE FORMAT 7 OR 9 FOR FULL TEXT)
XCELLENET EXPECTS TO REPORT RECORD REVENUES FOR FOURTH QUARTER
PR Newswire, p0109AT008
Jan 9, 1995
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 428 LINE COUNT: 00035

... ended Dec. 31. "However," stated Crumpler, "it's too early to tell if the increase in large orders represents a trend or just an anomaly."

XcelleNet develops and markets **RemoteWare** (R), a suite of **client /server** system development tools used to automate time-sensitive information delivery processes such as order entry, inventory query or price list and product catalog updates. The most recent version of the product suite, **RemoteWare 2.0**, was released for general availability in December 1994. Over 690 organizations worldwide have licensed **RemoteWare** to manage the exchange of information between central systems and over 213,000 remote or mobile field personnel, customers, suppliers, channels of distribution or other...

9/3,K/83 (Item 18 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2000 The Gale Group. All rts. reserv.

07610891 SUPPLIER NUMBER: 16562968 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Waiting for the wireless revolution. (portable computers and wireless data communications) (SI Business)
Blackwell, Gerry
Computer Dealer News, v10, n25, pS26(4)
Dec 14, 1994
ISSN: 1184-2369 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2913 LINE COUNT: 00223

... up host systems over the cellular network -- without making extensive changes to host system hardware and software. The gateway "virtually" eliminates incompatibility problems, Cantel says.

XcelleNet Inc.'s **RemoteWare** is a front-end interface program that manages the connecting of remote users to applications in a **client - server** network -- including over wireless networks.

Given these and other developments, the market may finally be poised to start delivering on some of its promise.

BIS...from a host system or up/Ead a sales order when they're away from a land-line phone jack. "If it's truly a **client -server** application, most of what they need is right on their laptop," says Guido. "They can always update their files at night."

Doug Smith, president of...

9/3,K/84 (Item 19 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2000 The Gale Group. All rts. reserv.

07575688 SUPPLIER NUMBER: 15904970 (USE FORMAT 7 OR 9 FOR FULL TEXT)
XcelleNet Launches Fifth-Generation RemoteWare 2.0 for Remote and Mobile Applications.
Business Wire, p11281238
Nov 28, 1994
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1813 LINE COUNT: 00164

... enterprises that need to build remote and mobile computing applications to handle business transactions and synchronize widespread information resources.

- The RemoteWare suite of agent-based **client /server** tools employs a variety of communications transports and protocols while automatically minimizing expensive connect time. RemoteWare is used to cost-effectively automate the movement of...2,000 users). RemoteWare 2.0 will begin shipping in mid-December 1994.

XcelleNet Inc. (Nasdaq/NM:XNET) develops and markets RemoteWare, a suite of **client /server** development tools used to automate time-sensitive information delivery processes such as order entry, inventory query or price list and product catalog updates. More than 600 organizations worldwide have licensed **RemoteWare** to manage the exchange of information between central systems and more than 189,000 remote or mobile field personnel, customers, suppliers, channels-of-distribution or ...

9/3,K/85 (Item 20 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07560488 SUPPLIER NUMBER: 15902979 (USE FORMAT 7 OR 9 FOR FULL TEXT)
KPMG and XcelleNet to provide sales force automation solutions.
Business Wire, p11071271
Nov 7, 1994
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 668 LINE COUNT: 00065

XcelleNet develops and markets **RemoteWare**, an agent-based **client /server** platform for developing and managing fieldware applications.
Under terms of the agreement, KPMG will relicense XcelleNet's entire RemoteWare family of software tools, as well...

...distribution; health care and life sciences; information, communications and entertainment; and public services.

XcelleNet Inc. (NASDAQ/NM:XNET) develops and markets RemoteWare, a suite of **client /server** development tools used to automate time-sensitive information delivery processes such as order entry, inventory query or price list and product catalog updates.
Over 560...

9/3,K/86 (Item 21 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07553925 SUPPLIER NUMBER: 15878183 (USE FORMAT 7 OR 9 FOR FULL TEXT)
XCELLENET REPORTS THIRD QUARTER REVENUES UP 62% AND EARNINGS PER SHARE OF \$.04
PR Newswire, p1101AT006
Nov 1, 1994
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 568 LINE COUNT: 00074

... stated Mr. Crumpler, "and we don't expect the higher projected losses to have a significant impact on the consolidated results planned for this year."

XcelleNet develops and markets **RemoteWare (R)**, a suite of **client /server** system development tools used to automate time-sensitive information delivery processes such as order entry, inventory query or price list and product catalog updates. Over 610 organizations worldwide have licensed **RemoteWare** to manage the exchange of information between central systems and over 189,000 remote or mobile field personnel, customers, suppliers, channels of distribution or other...

9/3,K/87 (Item 22 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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- 07273640 SUPPLIER NUMBER: 15418470 (USE FORMAT 7 OR 9 FOR FULL TEXT)
- BROCK CONTROL SYSTEMS, INC. SIGNS STRATEGIC PARTNERSHIP AGREEMENT WITH
- XCELLENET, INC.
- PR Newswire, p0606AT013
June 6, 1994
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 478 LINE COUNT: 00042

... fits well with our own. Together, we will provide users with a rich and flexible system for exchanging information between the field and home office."

XcelleNet, Inc. develops and markets its RemoteWare suite of client /server system development tools used to automate core business process (such as order entry, inventory query, pricing updates, field activity reporting and catalog delivery) that involve hundreds or thousands of remote or mobile computer users. More than 400 organizations worldwide use RemoteWare to manage the exchange of time-sensitive information between central systems and over 130,000 field personnel, customers, suppliers, channels of distribution or other corporate...

9/3,K/88 (Item 23 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07221921 SUPPLIER NUMBER: 14996648 (USE FORMAT 7 OR 9 FOR FULL TEXT)
XCELLENET COMPLETES INITIAL PUBLIC OFFERING
PR Newswire, p0414AT007
April 14, 1994
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 230 LINE COUNT: 00020

... and Robertson, Stephens & Company are the managing underwriters of the offering. A copy of the final prospectus may be obtained from them at their offices.

XcelleNet develops and markets RemoteWare (R), a suite of client /server system development tools used to automate time-sensitive information exchange between hundreds or thousands of remote or mobile users (including field personnel, customers, suppliers, channels of distribution and other corporate constituents) and a central information system. Over 400 organizations in various industries worldwide use XcelleNet's RemoteWare to automate core business processes, such as order entry, inventory query, pricing updates, field activity reporting and catalogue delivery, at remote locations.

-0- 4/14...

9/3,K/89 (Item 24 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2000 The Gale Group. All rts. reserv.

06796130 SUPPLIER NUMBER: 14732971 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Two more Q&E licensees. (Q + E Software)
Software Industry Report, v25, n23, p5(1)
Dec 6, 1993
ISSN: 1042-7252 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 170 LINE COUNT: 00015

TEXT:

TWO MORE Q&E LICENSEES... Both XcelleNet and ProtoView have licensed Q+E Software's client server DBMS-independent technology, joining Q+E's long list of ISV licensees, which includes Microsoft, Computer Associates, Borland and Lotus. "We will maintain our efforts...

... developers build Windows or OS/2 applications that can access more than 20 databases. Q+E's cross-platform access capabilities will be integrated into XcelleNet's FORMS development tool to accommodate intermittent, dial-up access to various centralized databases. Proto View's SQLView, a visual database access system that streamlines the development

- of **client server** applications for Windows, will allow developers to
- visually access any SQL database supported by Q+E Database Library.
- Atlanta-based **XcelleNet** develops and markets **RemoteWare**, software for
- automating transaction-based processes in remote and mobile fleet environments. ProtoView is headquartered in Dayton, N.J.

9/3,K/90 (Item 25 from file: 148)
 DIALOG(R)File 148:Gale Group Trade & Industry DB
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06506973 SUPPLIER NUMBER: 14347029 (USE FORMAT 7 OR 9 FOR FULL TEXT)
LAN remote access market to reach US\$2.8 billion by '97.
 Computer Dealer News, v9, n13, p17(1)
 June 28, 1993
 ISSN: 1184-2369 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
 WORD COUNT: 408 LINE COUNT: 00036

... US\$529 million in 1993 to US\$2.8 billion in 1997. This growth will be driven by expanding notebook computer sales, the move toward **client / server** applications, and improvements in dial-up hardware and software.

Mary Modahl, director of Network Strategy Research at Forrester said: "The unmet demand for a LON...

...will unleash this pent-up demand, causing a rush in the LON market."

Today's predominant dial-up solution, remote control, will be superseded by **client /server** LONs. Modahl said, "Remote control software like Carbon Copy and pcAnywhere fills the vacuum for today's limited needs. But as corporate sales and service...

...to LAN servers, large companies need a scalable LON that acts just like the LAN. This will lead the market away from remote control toward **client /server** LONs. Remote users will become full network peers."

Money will flow to all LON vendors in the early going (1993 to 1994), but by 1997 most remote access dollars will be reaped by physical LON vendors, who provide analog or wireless modems; and **client /server** LON suppliers. These include dial-up hardware vendors such as Shiva, Telebit, Digital Communications Associates Inc. (DCA) and Centrum, as well as LON application providers like **Xcellenet (RemoteWare)** and Lotus Development Corp. (Notes). Vendors that cling to remote control will lose out.

The report is part of the Network Strategy Service, a Forrester...

...TOTAL U.S. LON MARKET REVENUES
 (US\$ MILLIONS)

	1992	1993	1994	1995	1996	1997
Physical						
LON gear	207	306	469	712	1,011	1,364
Client /Server						
LON	65	110	231	467	826	1,352
Remote						
Control	70	113	137	126	93	68
TOTAL	342	529	837	1,305	1,930	2...

9/3,K/91 (Item 1 from file: 636)
 DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02726702 Supplier Number: 45531488 (USE FORMAT 7 FOR FULLTEXT)
XCELLENET REPORTS RECORD FIRST QUARTER - NET INCOME GROWS 33%
 M2 Presswire, pN/A
 May 9, 1995
 Language: English Record Type: Fulltext
 Document Type: Newswire; Trade
 Word Count: 400

... increase in staffing levels versus the same quarter a year ago, is the key to maintaining XcelleNet's architectural and functional advantages

- in the marketplace.

- **XcelleNet**, Inc. develops and markets **RemoteWare**, a suite of **client /server** system development tools used to build software applications for mobile and remote users. **RemoteWare** enables organisations to attain a competitive advantage by simplifying and automating time-sensitive information delivery processes such as order entry, inventory query or price list...

9/3,K/92 (Item 2 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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02599815 Supplier Number: 45258114 (USE FORMAT 7 FOR FULLTEXT)

XCELLENET INC

Wireless Data News, v3, n1, pN/A

Jan 11, 1995

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 71

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

XcelleNet Inc. of Atlanta is releasing **RemoteWare** 2.0, the fifth generation of its software for wireless local area network access. **RemoteWare** is an agent-based **client /server** system designed specifically for transactions, which is operable over the Ardis and Ram Mobile Data packet radio networks. **XcelleNet** says the latest version's enhancements include improved throughput and interoperability with multiple networks, data bases and applications. (**XcelleNet**, 404/804-8100.)

9/3,K/93 (Item 3 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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02597101 Supplier Number: 45251502 (USE FORMAT 7 FOR FULLTEXT)

REMOTE BUSINESS SOFTWARE SUITE VALIDATED FOR VODAFONE

M2 Presswire, pN/A

Jan 9, 1995

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 714

... the UK's first nationwide GSM data communications service. Using a notebook PC equipped with a PCMCIA cellular data card connected to a digital Vodafone, **XcelleNet** tested **RemoteWare** 's full inventory of functions from electronic software distribution and remote PC control, SQL (Structured Query Language) and legacy database enquiries, electronic forms and e-mail, to the creation and delivery of electronic catalogues. Link speed between GSM-attached **clients** and a central-site **server** was 9,600 bit/s, which, with **RemoteWare** 's advanced compression regime, provided an average data throughput of around 20,000 bit/s.

XcelleNet will be demonstrating **RemoteWare** working with Vodafone on Stand...

...for use with digital and analogue cellular, PSTN modem links, X.25, VSAT and ISDN, and runs on Windows, DOS, Macintosh and OS/2 remote **client** PCs, and OS/2 central site **servers**.

The suite's CMS communications module provides mainframe-like security and management for dial-up communications between mobile workers and headquarters, while the complementary **ApplicComms**...

9/3,K/94 (Item 1 from file: 9)

DIALOG(R)File 9:Business & Industry(R)

(c) 2000 Resp. DB Svcs. All rts. reserv.

- 01696974 (USE FORMAT 7 OR 9 FOR FULLTEXT)
- Off-line browsing and mobile intranets
- (Intranets are expected to reshape company-wide communications in a major
- way over a short period of time)
VoicePlus, v 3, n 9, p 32+
November 1996
DOCUMENT TYPE: Journal; Industry Overview ISSN: 1353-9825 (United Kingdom
)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1578

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...would meet a real business need, but there seems to be a big gap in the enterprise-wide Intranet vision.

REMOTE ACCESS WITH A DIFFERENCE

XcelleNet has an innovative product called **RemoteWare** that uses **client** -intelligent, agent-**server** technology. The architecture looks like a wireless extension to the corporate network, but the functionality is very different. Instead of logging in and doing everything...

...work while the user is off-line. For example, the salesperson might want pricing information or need to know what delivery terms can be offered. **RemoteWare** converts these requests into intelligent agents that are sent to the server, along with e-mail and anything else. The agents perform the database enquiries. The next time the user logs in, this information is sent, together with mail messages, software updates and Lotus Notes replication sessions. **RemoteWare** also features data compression, an audit trail and check-point restart from the last successfully transmitted packet.

MOBILE INTRANETS

Now, if XcelleNet could embed an...

9/3,K/95 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2000 Resp. DB Svcs. All rts. reserv.

01463564

Online-Verbindung mit dem Server nur bei Bedarf

(Remoteware from Xcellenet offers a scalable, open messaging infrastructure link between client and server for mobile users)

VDI Nachrichten, p 18

April 12, 1996

DOCUMENT TYPE: Journal ISSN: 0042-1758 (Germany)

LANGUAGE: German RECORD TYPE: Abstract

(Remoteware from Xcellenet offers a scalable, open messaging infrastructure link between client and server for mobile users)

ABSTRACT:

...which the firm has already issued 340k licences. The product offers a scalable, open messaging infrastructure and uses Queued Event Architecture to send documents between **client** and **server** . Article considers **Xcellenet** in further detail. ...

9/3,K/96 (Item 3 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2000 Resp. DB Svcs. All rts. reserv.

01215067

MCI Selects RemoteWare For 5,000-Node Mobile Computing Project

(MCI awards contract to XcelleNet for the supply of RemoteWare mobile computing software to improve customer services activities)

World Telecom Weekly, p 9

June 12, 1995

DOCUMENT TYPE: Journal (United Kingdom)

LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT:

MCI has awarded a contract for the supply of RemoteWare mobile computing software to XcelleNet . The client -server comms software suite, which automates information exchange, will be used to improve the firm's customer services activities. The package features the firm's Communications...

15/3,K/1 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2000 The Gale Group. All rts. reserv.

03828309 Supplier Number: 48313231 (USE FORMAT 7 FOR FULLTEXT)
**XCELLENET: XcelleNet demonstrates remote systems management solutions for
the retail industry**
M2 Presswire, pN/A
Feb 24, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 992

... and retail customers are available by contacting Schwartz
Communications.

Hollywood Entertainment

Hollywood Entertainment, the second largest video retailer in the
U.S., decided to use **RemoteWare** to communicate with its more than 600
stores for a very simple reason: peace of mind. Every night the company's
stores from around the...

...sales data to corporate headquarters in Wilsonville, Oregon. In the
past, the information didn't always make it. Hollywood Video solved the
problem by installing **RemoteWare** for communication with all of their
stores. At the end of the day, when Hollywood Entertainment stores close
out their sales, financial and member data is compiled and readied for
transmission. **RemoteWare** then **initiates** the **call** and transmits the
data, while at the same time receiving product information, price changes,
and updates on members from headquarters.

Russell Athletics

Based in Alexander...

File 348:European Patents 1978-2000/Mar W02

(c) 2000 European Patent Office

File 349:PCT FULLTEXT 1983-2000/UB=, UT=20000210

(c) 2000 WIPO/Micropatent

Set	Items	Description
S1	6	REMOTE()WARE OR REMOTEWARE
S2	4704	SERVER?(S)CLIENT?
S3	6027	(INITIAT? OR BEGIN OR START) (10N) (CALL OR CALLS)
S4	5	PA="XCELLENET":PA="XCELLENET INC"
S5	7	S4 OR S1

5/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:European Patents
(c) 2000 European Patent Office. All rts. reserv.

00783383

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
**SYSTEMS AND METHODS FOR WORK ASSIGNMENT AND DISTRIBUTION FROM A SERVER TO
REMOTE/MOBILE NODES**

**SYSTEME UND VERFAHREN FUR ARBEITSZUWEISUNG UND ZUTEILUNG VON EINEM ANBIETER
ZU ENTFERNTEN MOBILEN KNOTEN**

**SYSTEME ET PROCEDE D'ATTRIBUTION ET DE REPARTITION DE TACHES D'UN SERVEUR
ALIMENTANT DES N UDS MOBILES/ELOIGNES**

PATENT ASSIGNEE:

XCELLENET, INC., (2158000), Suite 200, 5 Concourse Parkway, Atlanta, Ga
30328, (US), (applicant designated states: DE;GB

INVENTOR:

TRUGMAN, Rodney, M., P.O. Box 768322, Roswell, GA 30076, (US)

LEGAL REPRESENTATIVE:

Warren, Keith Stanley et al (37351), BARON & WARREN 18 South End
Kensington, London W8 5BU, (GB)

PATENT (CC, No, Kind, Date): EP 795245 A2 970917 (Basic)
WO 9618257 960613

APPLICATION (CC, No, Date): EP 95943573 951121; WO 95US14491 951121

PRIORITY (CC, No, Date): US 348616 941202

DESIGNATED STATES: DE; GB

INTERNATIONAL PATENT CLASS: H04L-029/06;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

PATENT ASSIGNEE:

XCELLENET, INC...

5/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2000 WIPO/Micropatent. All rts. reserv.

00642806

FILE TRANSFER SYSTEM

SYSTEME DE TRANSFERT DE FICHIERS

Patent Applicant/Assignee:

HYPERSPACE COMMUNICATIONS INC; Address - HYPERSPACE COMMUNICATIONS, INC.,
9760 Bantary Road, Easton, MD 21601, US

Inventor(s):

HAFF Maurice W; Address - HAFF, Maurice, W., 9760 Bantary Road, Easton, MD
21601, US

CLARKE Christopher D; Address - CLARKE, Christopher, D., Apartment 274,
2025 Harbour Gates Drive, Annapolis, MD 21401, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9926121 A2 19990527

Application: WO 98US24373 19981113 (PCT/WO US9824373)

Priority Application: US 9765533 19971113; US 9885427 19980917

Designated States: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU;
CZ; DE; DK; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IS; JP; KE;
KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO;
NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; UZ;
VN; YU; ZW; GH; GM; KE; LS; MW; SD; SZ; UG; ZW; AM; AZ; BY; KG; KZ; MD;
RU; TJ; TM; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC;
NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 33100

Fulltext Availability:

Detailed Description

1/9/1 (Item 1 from file: 345)
DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat
(c) 2000 EPO. All rts. reserv.

13079064

Basic Patent (No,Kind,Date): WO 9619064 A2 19960620 <No. of Patents: 010>

PATENT FAMILY:

GERMANY (DE)

Patent (No,Kind,Date): DE 19581888 T 19980212
VERFAHREN UND SYSTEM ZUR AUTOMATISCHEN GEMEINSCHAFTLICHEN
INFORMATIONSNUTZUNG DURCH MEHRERE ABGESETZTE/MOBILE KNOTEN (German)
Patent Assignee: XCELLENET INC (US)
Author (Inventor): CRUMPLER DENNIS M (US); ESTES ROBERT B (US);
JACKSON KIRBY BRYAN JUN (US)
Priority (No,Kind,Date): US 358106 A 19941216; WO 95US14493 W
19951121
Applic (No,Kind,Date): DE 19581888 A 19951121
IPC: * H04L-029/06
Derwent WPI Acc No: * G 96-300919
Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):
DE 19581888 P 19980212 DE RET PCT-APPLICATION TRANSLATED
(PART 6B PATENT GAZETTE) (PCT-UEBERSETZUNG
(ABSCHNITT 6B))
WO 9619064 P 19980212
DE 19581888 P 19980625 DE 8110 REQUEST FOR EXAMINATION
PARAGRAPH 44 (EINGANG VON PRUEFUNGSANTRAGEN
PAR. 44)

GREAT BRITAIN (GB)

Patent (No,Kind,Date): GB 9712427 A0 19970813
SYSTEMS AND METHODS FOR AUTOMATICALLY SHARING INFORMATION AMONG
REMOTE/MOBILE NODES (English)
Patent Assignee: XCELLENET INC
Priority (No,Kind,Date): WO 95US14493 W 19951121; US 358106 A
19941216
Applic (No,Kind,Date): GB 9712427 A 19951121
Derwent WPI Acc No: * G 96-300919
Language of Document: English

Patent (No,Kind,Date): GB 9915974 A0 19990908
SYSTEMS AND METHODS FOR TRANSFERRING INFORMATION FROM A SERVER TO A
REMOTE/MOBILE NODE (English)
Patent Assignee: XCELLENET INC
Priority (No,Kind,Date): GB 9712427 A3 19951121; US 358106 A
19941216
Applic (No,Kind,Date): GB 9915974 A 19951121
Derwent WPI Acc No: * G 96-300919
Language of Document: English

Patent (No,Kind,Date): GB 2310982 A1 19970910
SYSTEMS AND METHODS FOR AUTOMATICALLY SHARING INFORMATION AMONG
REMOTE/MOBILE NODES (English)
Patent Assignee: XCELLENET INC (US)
Author (Inventor): CRUMPLER DENNIS M; ESTES ROBERT B; JACKSON JR KIRBY
BRYAN
Priority (No,Kind,Date): WO 95US14493 W 19951121; US 358106 A
19941216
Applic (No,Kind,Date): GB 9712427 A 19951121
National Class: * G4A AFGX FGX; H4P PPG PPG
IPC: * H04L-012/18; G06F-013/38
Derwent WPI Acc No: * G 96-300919
Language of Document: English

Patent (No,Kind,Date): GB 2335832 A1 19990929
AUTOMATIC FILE TRANSFER BETWEEN A SERVER AND A MOBILE NODE (English)
Patent Assignee: XCELLENET INC (US)
Author (Inventor): CRUMPLER DENNIS M (US); ESTES ROBERT B (US);

JACKSON JR KIRBY BRYAN (US)
 Priority (No,Kind,Date): GB 9712427 A3 19951121; US 358106 A 19941216
 Applic (No,Kind,Date): GB 9915974 A 19951121
 National Class: * G4A AFGX FGX; H4P PPG PPG
 IPC: * H04L-012/18; G06F-013/38; H04L-029/06
 Derwent WPI Acc No: * G 96-300919
 Language of Document: English
 Patent (No,Kind,Date): GB 2310982 B2 19991110
 SYSTEMS AND METHODS FOR AUTOMATICALLY SHARING INFORMATION AMONG
 REMOTE/MOBILE NODES (English)
 Patent Assignee: XCELLENET INC (US)
 Author (Inventor): CRUMPLER DENNIS M (US); ESTES ROBERT B (US);
 JACKSON JR KIRBY BRYAN (US)
 Priority (No,Kind,Date): WO 95US14493 W 19951121; US 358106 A 19941216
 Applic (No,Kind,Date): GB 9712427 A 19951121
 National Class: * G4A AFGX FGX; H4P PPG PPG
 IPC: * H04L-012/18; G06F-013/38
 Derwent WPI Acc No: * G 96-300919
 Language of Document: English
 Patent (No,Kind,Date): GB 2335832 B2 19991110
 SYSTEMS AND METHODS FOR TRANSFERRING INFORMATION FROM A SERVER TO A
 REMOTE/MOBILE NODE (English)
 Patent Assignee: XCELLENET INC (US)
 Author (Inventor): CRUMPLER DENNIS M (US); ESTES ROBERT B (US);
 JACKSON JR KIRBY BRYAN (US)
 Priority (No,Kind,Date): GB 9712427 A3 19951121; US 358106 A 19941216
 Applic (No,Kind,Date): GB 9915974 A 19951121
 National Class: * G4A AFGX FGX; H4P PPG PPG
 IPC: * H04L-012/18; G06F-013/38; H04L-029/06
 Derwent WPI Acc No: * G 96-300919
 Language of Document: English

GREAT BRITAIN (GB)

Legal Status (No,Type,Date,Code,Text):

GB 2310982	P	19941216	GB AA	PRIORITY (PATENT)
			US 358106 A	19941216
GB 2310982	P	19951121	GB AA	PCT-APPLICATION (PCT-APPL.)
			WO 95US14493 W	19951121
GB 2310982	P	19951121	GB AE	APPLICATION DATA (APPL. DATA)
			GB 9712427 A	19951121
GB 2310982	P	19970910	GB A1	APPLICATION PUBLISHED (APPL. PUBLISHED)
GB 2310982	P	19991110	GB B2	PATENT GRANTED
GB 2310982	P	20000202	GB 732E	PROCEEDING UNDER SECTION 32 PATENTS ACT 1977 (PROC. UNDER SECT. 32 PAT. ACT 1977)
GB 2335832	P	19941216	GB AA	PRIORITY (PATENT)
			US 358106 A	19941216
GB 2335832	P	19951121	GB AA	APPLICATION NO OF BASIC APPLICATION (APPL. NO OF BASIC APPL.)
			GB 9712427 A3	19951121
GB 2335832	P	19951121	GB AE	APPLICATION DATA (APPL. DATA)
			GB 9915974 A	19951121
GB 2335832	P	19990929	GB A1	APPLICATION PUBLISHED (APPL. PUBLISHED)
GB 2335832	P	19991110	GB B2	PATENT GRANTED
GB 2335832	P	20000202	GB 732E	PROCEEDING UNDER SECTION 32 PATENTS ACT 1977 (PROC. UNDER SECT. 32 PAT. ACT 1977)

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5664207 A 19970902

SYSTEMS AND METHODS FOR AUTOMATICALLY SHARING INFORMATION AMONG
REMOTE/MOBILE NODES (English)

Patent Assignee: XCELLENET INC (US)

Author (Inventor): CRUMPLER DENNIS M (US); ESTES ROBERT B (US);
JACKSON JR KIRBY BRYAN (US)

Priority (No,Kind,Date): US 358106 A 19941216

Applic (No,Kind,Date): US 358106 A 19941216

National Class: * 395766000; 345329000; 345331000; 395610000;
705003000

IPC: * G06F-017/30

Derwent WPI Acc No: * G 96-300919

Language of Document: English

Patent (No,Kind,Date): US 5819274 A 19981006

METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR TRANSFERRING FILES
FROM A DATA PROCESSING SERVER TO A REMOTE/MOBILE DATA PROCESSING NODE
(English)

Patent Assignee: XCELLENET INC (US)

Author (Inventor): JACKSON JR KIRBY BRYAN (US)

Priority (No,Kind,Date): US 870499 A 19970606; US 358106 A1
19941216

Applic (No,Kind,Date): US 870499 A 19970606

Addnl Info: 5664207 Patented

National Class: * 707010000; 707505000; 395200330; 395200490;
345329000; 345331000

IPC: * G06F-017/30

Derwent WPI Acc No: * G 96-300919

Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 5664207 P 19941216 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))

US 5664207 P 19950224 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
XCELLENET, INC. 5 CONCOURSE PARKWAY SUITE 200
ATLANTA, GEORGIA 30328 ; CRUMPLER, DENNIS M.
: 19950217; ESTES, ROBERT B. : 19950217;
JACKSON, KIRBY BRYAN, JR. : 19950217

US 5664207 P 19970902 US A PATENT

US 5664207 P 19980730 US AS03 MERGER
STERLING COMMERCE (SOUTHERN), INC. SUITE 1200
300 CRESCENT COURT DALLAS, TEXAS 7 ;
XCELLENET, INC. : 19980721

US 5664207 P 19990112 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
STERLING COMMERCE, INC. 4600 LAKEHURST COURT
DUBLIN, OHIO 43106 ; STERLING COMMERCE
(SOUTHERN), INC. : 19990106

US 5819274 P 19941216 US AA PRIORITY
US 358106 A1 19941216

US 5819274 P 19970606 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 870499 A 19970606

US 5819274 P 19970606 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
XCELLENET, INC. SUITE 850 5 CONCOURSE PARKWAY
ATLANTA, GEORGIA 30328 ; JACKSON, KIRBY BRYAN
JR. : 19970605

US 5819274 P 19980730 US AS03 MERGER
STERLING COMMERCE (SOUTHERN), INC. SUITE 1200
300 CRESCENT COURT DALLAS, TEXAS 7 ;
XCELLENET, INC. : 19980721

US 5819274 P 19981006 US A PATENT

US 5819274 P 19990112 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
STERLING COMMERCE, INC. 4600 LAKEHURST COURT
DUBLIN, OHIO 43106 ; STERLING COMMERCE

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9619064 A2 19960620

SYSTEMS AND METHODS FOR AUTOMATICALLY SHARING INFORMATION AMONG
REMOTE/MOBILE NODES SYSTEMS AND METHODS FOR AUTOMATICALLY SHARING
INFORMATION AMONG REMOTE/MOBILE NODES (English)

Patent Assignee: XCELLENET INC (US); CRUMPLER DENNIS M (US); ESTES
ROBERT B (US); JACKSON KIRBY BRYAN JR (US)

Author (Inventor): CRUMPLER DENNIS M (US); ESTES ROBERT B (US);
JACKSON KIRBY BRYAN JR (US)

Priority (No,Kind,Date): US 358106 A 19941216

Applic (No,Kind,Date): WO 95US14493 A 19951121

Designated States: (National) AL; AM; AT; AU; BB; BG; BR; BY; CA; CH;
CN; CZ; DE; DK; EE; ES; FI; GB; GE; HU; IS; JP; KE; KG; KP; KR; KZ;
LK; LR; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU;
SD; SE; SG; SI; SK; TJ; TM; TT; UA; UG; US; UZ; VN (Regional) KE;
LS; MW; SD; SZ; UG; AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU;
MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD;
TG

Filing Details: WO 300000 Without international search report and to
be republished upon receipt of that report

IPC: * H04L-029/06

Derwent WPI Acc No: * G 96-300919; G 96-300919

Language of Document: English

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Legal Status (No,Type,Date,Code,Text):

WO 9619064 P 19941216 WO AA PRIORITY (PATENT)
US 358106 A 19941216

WO 9619064 P 19951121 WO AE APPLICATION DATA (APPL.
DATA)

WO 9619064 P 19960620 WO AK DESIGNATED STATES CITED IN A
PUBLISHED APPLICATION WITHOUT SEARCH REPORT
(DESIGNATED STATES CITED IN A PUBLISHED APPL.
WITHOUT SEARCH REPORT)
AL AM AT AU BB BG BR BY CA CH CN CZ DE DK EE
ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD
SE SG SI SK TJ TM TT UA UG US UZ VN

WO 9619064 P 19960620 WO AL DESIGNATED COUNTRIES FOR
REGIONAL PATENTS CITED IN A PUBLISHED
APPLICATION WITHOUT SEARCH REPORT
(DESIGNATED COUNTRIES FOR REGIONAL PATENTS
CITED IN A PUBLISHED APPL. WITHOUT SEARCH
REPORT)
KE LS MW SD SZ UG AT BE CH DE DK ES FR GB GR
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
ML MR NE SN TD TG

WO 9619064 P 19960620 WO A2 PUBLICATION OF THE
INTERNATIONAL APPLICATION WITHOUT THE
INTERNATIONAL SEARCH REPORT (PUB. OF THE
INTERNATIONAL APPL. WITHOUT THE INTERNATIONAL
SEARCH REPORT)

WO 9619064 P 19960822 WO DFPE REQUEST FOR PRELIMINARY
EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH
MONTH FROM PRIORITY DATE

WO 9619064 P 19960918 WO 121 EP: PCT APP. ART. 158 (1)
(EP: PCT ANM. ART. 158 (1))

WO 9619064 P 19980212 WO RET DE TRANSLATION (DE OG PART
6B)

WO 9619064 P 19980422 WO 122 EP: PCT APP. NOT ENT. EUROP.
PHASE (EP: PCT ANM. NICHT IN EUROP. PHASE
EING.)

WO 9619064 P 19980816 WO NENP NON-ENTRY INTO THE NATIONAL
PHASE IN:



CA

Detailed Discription

... from a sending PC to a receiving PC through the PSTN, and in some instances through the Internet, is a class of products described as "**remoteware**". Within this category, specific

5/3,K/3 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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6-18-96

00423198

**SYSTEMS AND METHODS FOR AUTOMATICALLY SHARING INFORMATION AMONG
REMOTE/MOBILE NODES**

**SYSTEMES ET PROCEDES DE PARTAGE AUTOMATIQUE D'INFORMATIONS ENTRE DES NOEUDS
A DISTANCE/MOBILES**

Patent Applicant/Assignee:

XCELLENET INC
CRUMPLER Dennis M
ESTES Robert B
JACKSON Kirby Bryan Jr

Inventor(s):

CRUMPLER Dennis M
ESTES Robert B
JACKSON Kirby Bryan Jr

Patent and Priority Information (Country, Number, Date):

Patent: WO 9619064 A2-A3 19960620
Application: WO 95US14493 19951121 (PCT/WO US9514493)
Priority Application: US 94358106 19941216

Designated States: AL; AM; AT; AU; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK;
EE; ES; FI; GB; GE; HU; IS; JP; KE; KG; KZ; LK; LR; LT; LU; LV; MD; MG;
MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; TJ; UA; UG;
US; UZ; VN; KE; LS; MW; SD; SZ; UG; AT; BE; CH; DE; DK; ES; FR; GB; GR;
IE; IT; LU; MC; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD;
TG

Publication Language: English

Fulltext Word Count: 8423

Patent Applicant/Assignee:

XCELLENET INC
CRUMPLER Dennis M
ESTES Robert B
JACKSON Kirby Bryan Jr

Fulltext Availability:

Detailed Description

Detailed Discription

... not amenable to the unique requirements of the remote/mobile user.

A major breakthrough in remote/mobile computing was provided with the introduction of 3S **RemoteWare** Versions 1.0-1.4 by XcelleNet, Inc., Atlanta, Georgia, assignee of the present invention.

The **RemoteWare** systems provided a communication model which was specifically geared to remote/mobile environments. One or more **RemoteWare** servers can be connected to a LAN to control the exchange of information between a central site and hundreds or thousands of remote/mobile computers and their users and applications. The **RemoteWare** server provides information management, resource management, scheduling, communication services, information monitoring and control services needed by large numbers of remote/mobile users who are temporarily...

...the transactional worker needs to spend connected to the central system are minimized.

Moreover, the system is designed to support low bandwidth and unreliable connections.

RemoteWare Versions 1.0 - 1.4 include an application which provides a remote transactional management system. The remote transactional management system, designated as "**RemoteWare FORMS**" includes a forms editor which is used to create forms with graphics, fields, text and bitmaps. Once completed, the form becomes an application that...

...node. The node user enters the required information on the form. The node user then posts the completed form which is automatically sent to the **RemoteWare** server. If routing has been enabled for the form, the user may forward a data set to another user and sends copies to others via a messaging service. The data may be viewed in the context of the form in which it was entered, and may be printed. The **RemoteWare FORMS** system is described in a publication entitled "**RemoteWare FORMS and RemoteWare QUERY Reference Manual**, Software Release 1.311, Copyright 1993, XcelleNet, Inc.

Notwithstanding the ability to create and route forms to remote/mobile users which was provided with the introduction of **RemoteWare** Version 1.0 - 1.4, there continues to be a need to provide improved methods and systems for automatically sharing information among users of remote... attached to the LAN 102. Each remote/mobile server may be a personal computer running in the OS/2 -11 operating environment and which runs **RemoteWare** Versions 1.0-1.4 marketed by the assignee of the present invention. **RemoteWare** Versions 1.0-1.4 act as the control point for information management, providing the resource management, scheduling, communication services, information monitoring and control services needed by the remote/mobile network. **RemoteWare** Version 1.4 is described in a manual entitled "**RemoteWare SERVER Operations Guide**, Software Release 1.411, Copyright 1992, XcelleNet, Inc., the disclosure of which is hereby incorporated herein by reference.

Remote/mobile servers 110...relays node status information to the server 110, and relays command line level instructions to the node operating system. An example of node software is **RemoteWare** Node Version 1.4, marketed by the assignee of the present application. **RemoteWare** Node Version 1.4 is described in a publication entitled "**RemoteWare SERVER Setup Guide**, Software Release 1.411, Copyright 1992, XcelleNet, Inc., the disclosure of which is hereby incorporated herein by reference.

As already described, the...to those having skill in the art and need not be described further herein. A preferred system for establishing a remote/mobile link is XcelleNet **RemoteWare** .

Referring now to Figure 4, operations for publishing a second (linked) form (Block 400 of Figure 2) will now be described. As already described, a...

5/3,K/4 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00422628

SYSTEMS AND METHODS FOR WORK ASSIGNMENT AND DISTRIBUTION FROM A SERVER TO REMOTE/MOBILE NODES

SYSTEME ET PROCEDE D'ATTRIBUTION ET DE REPARTITION DE TACHES D'UN SERVEUR ALIMENTANT DES NOEUDS MOBILES/ELOIGNES

Patent Applicant/Assignee:

XCELLENET INC

TRUGMAN Rodney M

Inventor(s):

TRUGMAN Rodney M

Patent and Priority Information (Country, Number, Date):

Patent: WO 9618257 A2-A3 19960613

Application: WO 95US14491 19951121 (PCT/WO US9514491)

Priority Application: US 94348616 19941202

Designated States: AL; AM; AT; AU; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK; EE; ES; FI; GB; GE; HU; IS; JP; KE; KG; KZ; LK; LR; LT; LU; LV; MD; MG;

MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; TJ; UA; UG;
US; UZ; VN; KE; LS; MW; SD; SZ; UG; AT; BE; CH; DE; DK; ES; FR; GB; GR;
IE; IT; LU; MC; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD;
TG

Publication Language: English

Fulltext Word Count: 8069

Patent Applicant/Assignee:

XCELLENET INC

TRUGMAN Rodney M

Fulltext Availability:

Detailed Description

Detailed Discription

... is not amenable to the unique requirements of the remote/mobile user.

A major breakthrough in remote/mobile computing was provided with the introduction of **RemoteWare** Versions 1.0-1.4 by XcelleNet, Inc., Atlanta, Georgia, assignee of the present invention.

The **RemoteWare** systems provided a communication model which was specifically geared to remote/mobile environments. One or more **RemoteWare** servers can be connected to a LAN to control the exchange of information between a central site and hundreds or thousands of remote/mobile computers and their users and applications. The **RemoteWare** server provides information management, resource management, scheduling, communication services, information monitoring and control services needed by the remote/mobile network.

Communications between the server and...

...the transactional worker needs to spend connected to the central system are minimized.

Moreover, the system is designed to support low bandwidth and unreliable connections.

RemoteWare Version 1.4 allows a server to centrally manage the assignment and distribution of work to large numbers of remote/mobile terminals. work assignment and...

...to nodes. Alternatively, events can be grouped into applications which are assigned to application groups and are then assigned to users. See the publication entitled "**RemoteWare** SERVER Operations Guide, Software Release 1.411, Copyright 1992, XcelleNet, Inc., the disclosure of which is hereby incorporated herein by reference.

Unfortunately, as the complexity...

...lists or applications may become large. Management of remote/mobile communications is cumbersome using large lists of events. Accordingly, notwithstanding the vast improvement of the **RemoteWare** system, there is a need to provide increased flexibility in the assignment of large numbers of events to nodes and users to effect remote/mobile...are attached to the LAN 102. Each remote/mobile server may be a personal computer running in the OS/2 operating environment and which runs **RemoteWare** Versions 1.0-1.4 marketed by the assignee of the present invention. **RemoteWare** Versions 1.0-1.4 act as the control point for information management, providing the resource management, scheduling, communication services, information monitoring and control services needed by the remote/mobile network. **RemoteWare** Version 1.4 is described in a manual entitled "**RemoteWare** SERVER Operations Guide, Software Release 1.411, Copyright 1992, XcelleNet, Inc., the disclosure of which is hereby incorporated herein by reference.

Remote/mobile servers 110...relays node status information to the server 110, and relays command line level instructions to the node operating system. An example of node software is **RemoteWare** Node Version 1.4,

marketed by the assignee of the present application. RemoteWare Node Version 1.4 is described in a publication entitled "RemoteWare SERVER Setup Guide, Software Release 1.411, Copyright 1992, XcelleNet, Inc., the disclosure of which is hereby incorporated herein by reference.

As already described, the...

5/3,K/5 (Item 4 from file: 349)
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00422100

METHODS AND SYSTEMS FOR DELIVERING FILES FROM A SERVER TO REMOTE/MOBILE
NODES

PROCEDES ET SYSTEMES DE LIVRAISON DE FICHIERS PAR UN SERVEUR A UN NOEUD
MOBILE ELOIGNE

Patent Applicant/Assignee:

XCELLENET INC
LEVER Rebecca M
CRUMPLER Dennis M

Inventor(s):

LEVER Rebecca M
CRUMPLER Dennis M

Patent and Priority Information (Country, Number, Date):

Patent: WO 9617461 A1 19960606
Application: WO 95US14494 19951121 (PCT/WO US9514494)
Priority Application: US 94348486 19941202

Designated States: AL; AM; AT; AU; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK;
EE; ES; FI; GB; GE; HU; IS; JP; KE; KG; KZ; LK; LR; LT; LU; LV; MD; MG;
MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; TJ; UA; UG;
US; UZ; VN; KE; LS; MW; SD; SZ; UG; AT; BE; CH; DE; DK; ES; FR; GB; GR;
IE; IT; LU; MC; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD;
TG

Publication Language: English

Fulltext Word Count: 6510

Patent Applicant/Assignee:

XCELLENET INC
LEVER Rebecca M
CRUMPLER Dennis M

Fulltext Availability:
Detailed Description

Detailed Discription

... is not amenable to the unique requirements of the remote/mobile user.

A major breakthrough in remote/mobile computing was provided with the introduction of RemoteWare Versions 1.0-1.4 by XcelleNet, Inc., Atlanta, Georgia, assignee of the present invention.

The RemoteWare systems provided a communication model which was specifically geared to remote/mobile environments. one or more RemoteWare servers can be connected to a LAN to control the exchange of information between a central site and hundreds or thousands of remote/mobile computers and their users and applications. The RemoteWare server provides information management, resource management, scheduling, communication services, information monitoring and control services needed by the remote/mobile network.

Communications between the server and...

...worker needs to spend connected to the central system are minimized.

Moreover, the system is designed to support low bandwidth and unreliable connections. Accordingly, the RemoteWare software architecture was designed specifically for remote/mobile user access to mission critical

enterprise-wide transaction processing client/server systems.

XcelleNet RemoteWare Version 1.4 includes a "subscriber" application which simplifies the task of delivering information and applications to remote/mobile nodes. The subscriber application allows remote...

...applications can be placed in files tagged for automatic distribution to remote sites during an Electronic Software Distribution (ESD) session. The subscriber application of XcelleNet RemoteWare Version 1.4 is described in publications entitled "RemoteWare SUBSCRIBER User's Guide Software Release 1.211 and "RemoteWare SUBSCRIBER Installation and Administrator's Guide", both Copyright 1993, XcelleNet, Inc., the disclosures of which are hereby incorporated herein by reference.

Notwithstanding the improvement in remote/mobile communications which is provided by the XcelleNet RemoteWare Version 1.4 subscriber application, there is a continued need to ensure delivery of essential files from the server to the remote/mobile nodes, while...are attached to the LAN 102. Each remote/mobile server may be a personal computer running in the OS/2 operating environment and which runs RemoteWare Versions 1.0-1.4 marketed by the assignee of the present invention. RemoteWare Versions 1.0-1.4 act as the control point for information management, providing the resource management, scheduling, communication services, information monitoring and control services needed by the remote/mobile network. RemoteWare Version 1.4 is described in a manual entitled "RemoteWare SERVER Operations Guide, Software Release 1.41", Copyright 1992, XcelleNet, Inc., the disclosure of which is hereby incorporated herein by reference.

Remote/mobile servers 110...relays node status information to the server 110, and relays command line level instructions to the node operating system. An example of node software is RemoteWare Node Version 1.4, marketed by the assignee of the present application. RemoteWare Node Version 1.4 is described in a publication entitled "RemoteWare SERVER Setup Guide, Software Release 1.41, Copyright 1992, XcelleNet, Inc., the disclosure of which is hereby incorporated herein by reference.

As already described, the...

5/3,K/6 (Item 5 from file: 349)
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00422099

METHODS AND SYSTEMS FOR PREVENTING UNNECESSARY FILE TRANSFERS BETWEEN A SERVER AND A REMOTE NODE

PROCEDE ET SYSTEME PERMETTANT D'EVITER LES TRANSFERTS INUTILES DE FICHIERS ENTRE UN SERVEUR ET UN NOEUD ELOIGNE

Patent Applicant/Assignee:

XCELLENET INC
TRUGMAN Rodney M
OWEN Joseph W
NAWAR Shereef W

Inventor(s):

TRUGMAN Rodney M
OWEN Joseph W
NAWAR Shereef W

Patent and Priority Information (Country, Number, Date):

Patent: WO 9617460 A1 19960606
Application: WO 95US14490 19951121 (PCT/WO US9514490)
Priority Application: US 94348596 19941202

Designated States: AL; AM; AT; AU; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK; EE; ES; FI; GB; GE; HU; IS; JP; KE; KG; KZ; LK; LR; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; TJ; UA; UG; US; UZ; VN; KE; LS; MW; SD; SZ; UG; AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD;

TG

Publication Language: English

Fulltext Word Count: 4835

Patent Applicant/Assignee:

XCELLENET INC

TRUGMAN Rodney M

OWEN Joseph W

NAWAR Shereef W

Fulltext Availability:

Detailed Description

Detailed Discription

... is not amenable to the unique requirements of the remote/mobile user.

A major breakthrough in remote/mobile computing was provided with the introduction of **RemoteWare** Versions 1.0-1.4 by XcelleNet, Inc., Atlanta, Georgia, assignee of the present invention.

The **RemoteWare** systems provided a communication model which was specifically geared to remote/mobile environments. One or more **RemoteWare** servers can be connected to a LAN to control the exchange of information between a central site and hundreds or thousands of remote/mobile computers and their users and applications. The **RemoteWare** server provides information management, resource management, scheduling, communication services, information monitoring and control services needed by the remote/mobile network.

Communications between the server and...

...worker needs to spend connected to the central system are minimized.

Moreover, the system is designed to support low bandwidth and unreliable connections.

Accordingly, the **RemoteWare** software architecture was designed specifically for remote/mobile user access to mission critical enterprise-wide transaction processing client/server systems. However, notwithstanding the vast improvement of the **RemoteWare** system, there is a continued need to further reduce connection time in remote/mobile networks.

Summary of the Invention

The invention prevents unnecessary transfers between...are attached to the LAN 102. Each remote/mobile server may be a personal computer running in the OS/2 operating environment and which runs **RemoteWare** Versions 1.0-1.4 marketed by the assignee of the present invention. **RemoteWare** Versions 1.0-1.4 act as the control point for information management, providing the resource management, scheduling, communication services, information monitoring and control services needed by the remote/mobile network. **RemoteWare** Version 1.4 is described in a manual entitled "**RemoteWare** SERVER Operations Guide, Software Release 1.411, Copyright 1992, XcelleNet, Inc., the disclosure of which is hereby incorporated herein by reference.

Remote/mobile servers 110...relays node status information to the server 110, and relays command line level instructions to the node operating system. An example of node software is **RemoteWare** Node Version 1.4, marketed by the assignee of the present application. **RemoteWare** Node Version 1.4 is described in a publication entitled "**RemoteWare** SERVER Setup Guide, Software Release 1.41, Copyright 1992, XcelleNet, Inc., the disclosure of which is hereby incorporated herein by reference.

As already described, the...to those having skill in the art and need not be described further herein. A preferred system for establishing a remote/mobile link is XcelleNet **RemoteWare**. The remote/mobile link may be established for the sole purpose of file transfer, or file transfer operations may be combined with other communications.

Referring...

5/3,K/7 (Item 6 from file: 349)
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00402391

COMPUTER-IMPLEMENTED TRANSPORT OF ELECTRONIC INFORMATION OBJECTS
TRANSPORT INFORMATISE D'OBJETS D'INFORMATION ELECTRONIQUE

Patent Applicant/Assignee:

REISMAN Richard

Patent and Priority Information (Country, Number, Date):

Patent: WO 9533236 A1 19951207

Application: WO 95US6399 19950531 (PCT/WO US9506399)

Priority Application: US 94251724 19940531

Designated States: CA; JP; AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU;
MC; NL; PT; SE

Publication Language: English

Fulltext Word Count: 19774

Fulltext Availability:

Detailed Description

Detailed Discription

... and must be used separately.

Xcellenet,fs 'REMOTWARE110

Xcellenet Inc. in product brochures copyrighted 1992 and a price list dated August 16, 1993, for a "REMOTWARE" @ product line, offers a range of REMOTWARE @ software-only products providing electronic information distribution to and from remote nodes of a proprietary REMOTWARE @ computer network intended for use within an organized, corporate or institutional data processing or management information system. Although feature-rich, the system is primarily server...

...an electronic information product and requires specialized server software and operations support that would challenge all but the largest and most technically sophisticated publishers. Accordingly, REMOTWARE @ is unsuitable for widespread use as an economical means of distributing updates for a variety of electronic information products.

At the date of this i...

File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS. 85-1999/DEC

(c)1999 INFO.SOURCES INC

File 278:Microcomputer Software Guide 1999/Dec

(c) 1999 Reed Elsevier Inc.

Set	Items	Description
S1	230	(READ? OR CHECK? OR UPDAT?) (N4) (MESSAG?)
S2	116	DIRECTORY?(N)SYNCHRONIZ?
S3	796	(OFFSITE? OR OFF()SITE? OR REMOTE?) (N3) (PC OR PERSONAL?(-)COMPUTER? OR COMPUTER? OR MICROPROCESSOR?)
S4	197	MOBILE?(N2)DEVICE? OR HANDHELD?(N)DEVICE?
S5	778	CC()MAIL? OR CCMAIL? OR REMOTE(N2)POST()OFFICE? OR REMOTE(- N2)MAILBOX? OR OFFSITE(N2)POST()OFFICE? OR OFFSITE?(N)MAILBOX?
S6	16	S5 AND (S3 OR S4)
S7	1	S6 AND (S1 OR S2)
S8	16	S6 NOT PY=1999:2000
S9	14	RD (unique items)

.7/5/1 (Item 1 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00085966 DOCUMENT TYPE: Review

PRODUCT NAMES: cc: Mail (016699)

TITLE: Lotus readies cc: Mail-Web hooks
AUTHOR: Timmins, Annmarie
SOURCE: Network World, v12 n36 p1(2) Sep 4, 1995
ISSN: 0887-7661
HOMEPAGE: <http://www.nwfusion.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Lotus Development is working on an option for remote mail access that will permit users of **cc :Mail** to retrieve their **messages** through any Internet-**ready** PC. The cc:Web Mail software will run on a PC server and allow users to log on to the **cc :Mail Post Office** from any **remote** site through any Web browser. Without cc:Web Mail, travelers must equip their laptops with mobile e-mail clients. Although users of cc:Web Mail will have fewer options than those using a direct link with **cc :Mail**, it is a good option for remote usage and retains all of a direct link's basic features. The initial release will not permit users to send file attachments, but it will enable them to receive them. cc:Web mail will run on Windows NT Server.

COMPANY NAME: Lotus Development Corp (448681)
SPECIAL FEATURE: Charts
DESCRIPTORS: E-Mail; Network Software; Internet Utilities; Laptop Software
; **Remote** Network Access; IBM PC & Compatibles; Windows NT
REVISION DATE: 990830

9/5/1 (Item 1 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00114486 DOCUMENT TYPE: Review

PRODUCT NAMES: GroupWise 5.5 (709255)

TITLE: Message Wise With GroupWise
AUTHOR: Deats, Ken
SOURCE: HP Professional, v12 n12 p9(1) Dec 1998
ISSN: 0986-145X
HOMEPAGE: <http://www.hppro.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Novell's GroupWise 5.5, an Internet-enabled messaging and collaboration system for networks and intranets, provides improved document management and World Wide Web publishing tools. Native Internet addressing is supported for dynamic connections to other GroupWise systems, and document echoing automatically retains a local copy of a document in synchronization with a copy in a document library. The synchronization feature supports the needs of users on laptops and other **mobile devices**. Other features include related fields with which users can make entries in a specific field based on another entry in an associated field. Enhanced calendaring has been added, so that a multi-user view of calendars is provided, along with a drag-and-drop feature that permits automatic scheduling of an event on multiple calendars. Allegro, an Internet messaging service company, provides e-mail message management solutions for GroupWise, Lotus **cc : Mail**, and Notes, as well as Microsoft Mail and Exchange clients. The

company regards GroupWise 5.5 as substantially enhanced, and runs it for almost 300,000 users on a few servers, with the best possible scalability. Allegro also is a clearing house for customers' mail, and provides the ability to add gateway components, including faxing, pagers, and Web access.

COMPANY NAME: Novell Inc (344893)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Groupware; E-Mail; Internet Utilities; Network Software;
Calendars; Document Management; Public Networks
REVISION DATE: 990830

9/5/2 (Item 2 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00098565 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Windows CE (633119); Microsoft Pocket Internet Explorer 1.1 (646954); Microsoft ActiveX (603295)

TITLE: Hand-held OS reaches out
AUTHOR: Schwartz, Ephraim Santoni, Andy
SOURCE: InfoWorld, v18 n50 p1(2) Dec 9, 1996
ISSN: 0199-6649
HOMEPAGE: <http://www.infoworld.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Microsoft's Microsoft Windows CE, Pocket Internet Explorer 1.1, and Microsoft ActiveX are part of a discussion of the Microsoft Windows CE handheld computer platform. Microsoft is working on a more powerful version of Windows CE and on upgrades to Pocket Internet Explorer, a browser for **mobile devices** that ship with Windows CE installed. Explorer will support ActiveX and Java applets, and Version 2 will also provide support for Microsoft's Java Virtual Machine implementation; it will also include the Java class libraries. Other enhancements are also in the works that will eventually put Pocket Explorer on a par with Explorer 3.0 and 4.0 on the desktop. Pocket Explorer 1.1 is on Microsoft's World Wide Web site. The next release of the CE OS will include important modifications, such as addition of native support for e-mail attachments and color-display support. An unnamed source says a product under development by Infowave Wireless Messaging will provide software developers with more hooks to create wired and wireless e-mail functions. Infowave's software or Windows CE platforms will work with Lotus Notes, Lotus **cc :Mail**, Novell GroupWise, and Microsoft Exchange. At a recent handheld and PDA conference, analysts and developers said Windows CE supports multiple devices, including wrist watches, set-top boxes, and many other items.

COMPANY NAME: Microsoft Corp (112127)
DESCRIPTORS: Windows; Operating Systems; Handhelds & Palmtops; IBM PC & Compatibles; Java; Program Development Aids; Internet Utilities; E-Mail; Public Networks; Windows CE; Internet Explorer; ActiveX
REVISION DATE: 990830

9/5/3 (Item 3 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00096454 DOCUMENT TYPE: Review

PRODUCT NAMES: Lotus Notes 4.1 (550418)

TITLE: Notes from the Groupware Battlefield

AUTHOR: Fogle, Dave
SOURCE: LAN Magazine, v11 n11 p151(5) Oct 1996
ISSN: 1069-5621

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Lotus Development's Lotus Notes 4.1 has much better e-mail than the previous release; e-mail is more like **cc :Mail** but still uses the mail database's Notes replication engine basis. Notes 4.1 also includes World Wide Web browsing and Web page authoring tools and has powerful document management functions. Notes is a strong platform for managing the increasing numbers of Hypertext Markup Language (HTML) documents. Local Notes clients can view HTML documents in their native format, and remote Notes users can create a database replica and see documents later. Users with no Notes access can employ a Web browser like Netscape Communications' Netscape Navigator or Microsoft's Microsoft Internet Explorer. Access to the database in Notes form lowers connectivity charges by retrieving updates to the database during off-peak hours. When the database is stored on a **remote computer**, no continuous telephone connection is needed to read documents in the database. Notes 4.1 has full 32-bit processing and code for better performance and is available for many OS/2, Windows, and UNIX 32-bit operating systems.

PRICE: \$495

COMPANY NAME: Lotus Development Corp (254975)
SPECIAL FEATURE: Screen Layouts Charts
DESCRIPTORS: Lotus Notes; Network Software; IBM PC & Compatibles;
Groupware; HTML; UNIX; Windows; OS/2; E-Mail; LANs
REVISION DATE: 990830

9/5/4 (Item 4 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00085966 DOCUMENT TYPE: Review

PRODUCT NAMES: cc: Mail (016699

TITLE: Lotus readies cc: Mail-Web hooks
AUTHOR: Timmins, Annmarie
SOURCE: Network World, v12 n36 p1(2) Sep 4, 1995
ISSN: 0887-7661
HOMEPAGE: <http://www.nwfusion.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Lotus Development is working on an option for remote mail access that will permit users of **cc :Mail** to retrieve their messages through any Internet-ready PC. The cc:Web Mail software will run on a PC server and allow users to log on to the **cc :Mail Post Office** from any **remote** site through any Web browser. Without cc:Web Mail, travelers must equip their laptops with mobile e-mail clients. Although users of cc:Web Mail will have fewer options than those using a direct link with **cc :Mail**, it is a good option for remote usage and retains all of a direct link's basic features. The initial release will not permit users to send file attachments, but it will enable them to receive them. cc:Web mail will run on Windows NT Server.

COMPANY NAME: Lotus Development Corp (448681)
SPECIAL FEATURE: Charts
DESCRIPTORS: E-Mail; Network Software; Internet Utilities; Laptop Software
; **Remote** Network Access; IBM PC & Compatibles; Windows NT

REVISION DATE: 990830

9/5/5 (Item 5 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00085930 DOCUMENT TYPE: Review

PRODUCT NAMES: Remote Network Access (833983)

TITLE: Remote Access Meets Reality
AUTHOR: Welch, Douglas
SOURCE: LAN Magazine, v10 n12 p60(14) Nov 1995
ISSN: 1069-5621

RECORD TYPE: Review
REVIEW TYPE: Product Comparison
GRADE: Product Comparison, No Rating

A buyer's guide to remote access servers describes basic concepts and products. Common remote access applications are connectivity for home workers and solutions for sales professionals who travel. Telecommuters often prefer remote node connections, a method in which the **remote computer** appears as a network node, although transmission is often slow. Salespeople often need more than one connectivity method because they travel to different areas. All remote users need remote control software, like CloseUp, Timbuktu/Remote, pcAnywhere, or **cc :Mail** Mobile. These products allow help desks to display and control a **remote** user's PC for purposes of troubleshooting, training, or software upgrades. Remote access hardware solutions like LANRover provide remote access via IPX, AppleTalk, and any other system using TCP/IP.

COMPANY NAME: Vendor Independent (999999)
SPECIAL FEATURE: Buyers Guides Charts
DESCRIPTORS: Remote Network Access; Network Software; Telecommunications;
LANs; Help Desk Tools; Telecommuting
REVISION DATE: 990530

9/5/6 (Item 6 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00082760 DOCUMENT TYPE: Review

PRODUCT NAMES: MobileWare 2.0 (499528)

TITLE: MobileWare: Power at a Price
AUTHOR: Rigney, Steve
SOURCE: PC Magazine, v14 n15 pNE24(1) Sep 12, 1995
ISSN: 0888-8509
HOMEPAGE: <http://www.pcmag.com>

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: B

MobileWare 2.0 is a powerful remote access application designed to work with Microsoft Windows; it allows remote users to perform tasks as if their PCs were attached directly to a network: accessing all the important data in the network, sending and receiving e-mail and faxes, and printing documents to a local or remote network printer. Although MobileWare is an excellent program, it requires a lot of memory and hard drive space. It also requires **cc :Mail** for Windows and FACSys to provide e-mail and fax services. Nevertheless, if users can handle so much space being delegated to one program, MobileWare is excellent.

COMPANY NAME: MobileWare Corp (581101)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Remote Control; Telecommunications; Windows; IBM PC &
Compatibles; Network Software; **Remote** Network Access
REVISION DATE: 990630

9/5/7 (Item 7 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00075624 DOCUMENT TYPE: Review

PRODUCT NAMES: cc: Mail Mobile (494909); ReachOut Enterprise Windows
(681954)

TITLE: Sweet Solution for Mobile Staff
AUTHOR: Schwartz, Jeffrey
SOURCE: Communications Week, v541 p34(2) Jan 30, 1995
ISSN: 0746-8121

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

To give sales representatives and other traveling executives information access, Haagen-Dazs is using laptop PCs equipped to retrieve data residing on a variety of server platforms. The platforms include a Novell NetWare file server, an IBM AS/400 minicomputer, and a Hewlett-Packard UNIX-based server. Access to applications residing on the company's client/server networks is delivered via a remote-control software package. Links to the network are through Microsoft Windows via Ocean Isle Software's Reach Out remote-control program. Executives are able to send and retrieve electronic mail using either Lotus Development's **cc :Mail** Mobile or ReachOut Remote Control.

COMPANY NAME: Lotus Development Corp (448681); Stac Inc (505811)
DESCRIPTORS: Laptop Software; Manufacturing; Client/server; Remote Network
Access; **Remote** Control; Windows; IBM PC & Compatibles; Food
Processing; Network Software
REVISION DATE: 990630

9/5/8 (Item 8 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00072816 DOCUMENT TYPE: Review

PRODUCT NAMES: Eurodata 2.1 (541575); BeyondMail 2.0 Intelligent
Messaging (328731); Mail-It 2.5 (517321); WyndMail Windows (541583)

TITLE: E-Mail Opening Up to Windows
AUTHOR: Lawton, Stephen
SOURCE: digital news & review, v11 n24 p7(1) Dec 19, 1994
ISSN: 0739-4314

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

The Windows e-mail market continues to heat up, with such vendors as Qualcomm, Banyan Systems, Unipalm Group Plc, and Wynd Communications releasing new products. Eurodata 2.1 is an upgrade to the commercial release of the freeware product, with added support for Kerberos security, drag-and-drop attachments, a 100,000-word spelling checker, better server management for mail, and highlighted mailboxes for identifying new mail. Beyond Mail 2.0 for Intelligent Messaging Remote Access Edition is a

notebook product that sends mail remotely, while synchronizing **remote** and desktop **mailboxes**. Unipalm's MAIL-IT 2.5 adds support for user-defined rules and filtering for message delete/forward, and WyndMail for Windows melds wireless e-mail with paging and cellular phone features.

COMPANY NAME: QUALCOMM Inc (574244); Banyan Systems Inc (376639);
Unipalm Group Plc (587001); Wynd Communications (598411)
SPECIAL FEATURE: Screen Layouts Tables
DESCRIPTORS: E-Mail; Network Software; Windows; IBM PC & Compatibles;
Laptop Software; **Remote** Network Access; Wireless Networks; LANs;
Paging
REVISION DATE: 990830

9/5/9 (Item 9 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00070425 DOCUMENT TYPE: Review

PRODUCT NAMES: cc: Mail (016699); Microsoft Mail (740888); Carbon
Copy (012667); pcANYWHERE (277053); Remote LAN Node (RLN) Access Server
(603252

TITLE: **Gearing Up for Telecommuting**
AUTHOR: Ross, Randy
SOURCE: PC World/Lotus Edition, v12 n10 p156(2) Oct 1994
ISSN: 0737-8939

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Different telecommuting scenarios are explored, along with the accompanying technology options. For someone who plans to take home projects and work on them one or two days a week, a **PC** and fax, a **remote** e-mail package, and a second phone line for faxes and e-mail should suffice. One possible addition is software to let you control your office **PC** **remotely** by connecting via modem. This allows you to access file and run applications from your office hard disk. If you must collaborate with colleagues or access a database, remote LAN packages and document collaboration software can help. Collaboration software allows two users to see a common screen where they can both annotate documents in real time.

COMPANY NAME: Lotus Development Corp (448681); Microsoft Corp (112127);
Microcom Inc (363120); Symantec Corp (386251); Attachmate Corp
(417041)
DESCRIPTORS: Telecommuting; IBM PC & Compatibles; Telecommunications;
Remote Control; Remote Network Access; Network Software
REVISION DATE: 990624

9/5/10 (Item 10 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00063147 DOCUMENT TYPE: Review

PRODUCT NAMES: cc: Mail **Mobile** (494909

TITLE: **Hit the Road With** cc: Mail **Mobile**
AUTHOR: Pappas, Nicole
SOURCE: PC World/Lotus Edition, v12 n4 p118-L2(1) Apr 1994
ISSN: 0737-8939

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: B

PC users in a corporate environment with a network may have an interest in **cc :Mail** Mobile for Windows, which has been seamlessly connected with **cc :Mail** for Windows 2.0, though not all of the latter's features are included in the mobile version. The software's features are described, including how messages are sent, received, and stored. Perhaps most important, incoming messages can be prioritized. Much of this can be automated, if desired. A clever component called Location Solution makes easy the annoyance of setting up modems and dialing rules for each location to which a user travels.

PRICE: \$195

COMPANY NAME: Lotus Development Corp (448681)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: E-Mail; Windows; IBM PC & Compatibles; Network Software;
Remote Network Access
REVISION DATE: 990830

9/5/11 (Item 11 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00060258 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Mail Remote for Windows 1.0 (740888); cc: Mail
Remote for Macintosh (428604); Da Vinci eMAIL for DOS, Windows &
Macintosh 2.02 (240508)

TITLE: Disconnected Electronic Mail
AUTHOR: Gerber, Barry
SOURCE: Network Computing, v4 n12 p118(8) Nov 1, 1993
ISSN: 1046-4468
HOMEPAGE: <http://www.NetworkComputing.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Microsoft Mail Remote for Windows 1.0 addresses several problems, and users can set up any of three drivers, a locally connected LAN driver, a remote modem-oriented driver, and an AT&T Mail driver. It is easy to move the mail database file between machines, and the product is not functionally different from Microsoft Mail for Windows. Lotus Development's **cc :Mail** Remote for the Macintosh offers an intuitive interface and powerful features for finding messages, but does not allow the user to selectivity download messages, and it lacks an interactive mode option. Da Vinci Systems's Remote E-Mail 2.02 is stable and versatile, although there are some inconveniences related to the product's reliance on Novell's Message Handling System. Because MHS and the e-mail run separately on the **remote PC**, it is not possible to incorporate features such as the ability to download message header items selectively. Also, names must be placed into the remote address list manually.

COMPANY NAME: Microsoft Corp (112127); Lotus Development Corp (448681);
ON Technology Corp (484229)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: E-Mail; Windows; IBM PC & Compatibles; **Remote** Control;
Network Software; Telecommunications; Apple Macintosh
REVISION DATE: 990830

9/5/12 (Item 12 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00060200 DOCUMENT TYPE: Review

PRODUCT NAMES: Filer (490211); Mailer (490229)

TITLE: WildSoft Helps Mobile PC Users Stay in Sync

AUTHOR: Rooney, Paula

SOURCE: PC Week, v11 n3 p1(2) Jan 24, 1994

ISSN: 0740-1604

HOME PAGE: <http://www.pcweek.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

A new class of 'intelligent' communications software is under development in New Hampshire to ease access to home-office PCs and servers. Filer is a Microsoft Windows client/server program that allows remote users to work with files offline and to connect to home files for automatic update of host files. Many communications methods are supported, including modem, LAN, packet radio, cellular, wireless, and paging. A related product, Mailer, performs the same functions, but can also synchronize LAN and remote messages for **cc :Mail** and Microsoft Mail, using the same interface and rules. Two add-ons are under development, called Secure Disk and Abstractor.

COMPANY NAME: WildSoft Inc (565261)

SPECIAL FEATURE: Charts

DESCRIPTORS: Telecommunications; Network Software; Windows; IBM PC & Compatibles; **Remote** Control; Client/server

REVISION DATE: 990630

9/5/13 (Item 13 from file: 256)

DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.

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00049695 DOCUMENT TYPE: Review

PRODUCT NAMES: cc: Mail (016699); pcANYWHERE (277053); Carbon Copy (012667); Telebit ACS (331473); GatorLink (394629); LanRover NetWare (473111)

TITLE: Long-Distance LANs

AUTHOR: Juneau, Lucie

SOURCE: CIO, v6 n12 p82(4) May 15, 1993

ISSN: 0894-9301

HOME PAGE: <http://www.cio.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Many organizations are placing higher priority on providing remote users with LAN access. Access to a single application is easy to provide. Lotus's **cc :Mail**, for example, offers both DOS and Macintosh users remote e-mail access. Multiple applications frequently are required by the remote user, and more LAN services can be accessed by dialing in, with remote control software, such as pcAnywhere, or Carbon Copy. Both programs allow remote users to control an office-based PC. For even greater **remote** connectivity, multiple remote users can tap into the LAN with Telebit's Asynchronous Communications Server, without each remote user requiring a separate LAN-based PC. Powerbook users have several ways to convert their laptop into a LAN node, using GatorLink, or Shiva's LanRover/E software. Both of these Mac software products use the AppleTalk Remote Access Protocol.

COMPANY NAME: Lotus Development Corp (448681); Symantec Corp (386251); Microcom Inc (363120); Telebit Corp (478237); Cayman Systems Inc (449156); Intel Network Systems (464104)

DESCRIPTORS: LANs; Network Software; Telecommunications; Remote Control;
Novell; NetWare/OS; Remote Network Access
REVISION DATE: 990624

9/5/14 (Item 14 from file: 256)
DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.
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00048044 DOCUMENT TYPE: Review

PRODUCT NAMES: NetWare Access Services (214931); cc: Mail (016699);
Lotus Notes (550418)

TITLE: The changing face of remote LAN access
AUTHOR: Feinstein, Michael
SOURCE: Network World, v10 n10 pL5(3) Mar 8, 1993
ISSN: 0887-7661
HOMEPAGE: <http://www.nwfusion.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Alternative dial-up LAN products are now available, in response to the fast growing number of LAN users. Most products are in one of two categories: proxy solutions allow LAN access by using an existing LAN resource or products that provide direct connections. The advent of workgroup applications and the fact that there are more mobile workers using **computers**, mean that **remote** users need complete and often all-day network functions available. Proxy solutions include products like LANPort II, a dial-up product with file transfer functions, but with no support for direct access to LAN sources. Novell's NetWare Access Server is another proxy solution supporting multi-user remote control, which is advantageous for its ability to run network applications from any location with a simple telephone connection. **Cc :Mail** and Notes are also proxy solutions, with their sole purpose, remote access module design for modem connection to an application server.

COMPANY NAME: Novell Inc (344893); Lotus Development Corp (448681);
Lotus Development Corp (254975)
SPECIAL FEATURE: Charts
DESCRIPTORS: Network Software; LANs; Telecommunications; Laptop Software;
File Transfer; Novell; NetWare/OS; Lotus Notes; Remote Network Access
REVISION DATE: 990730
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